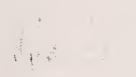


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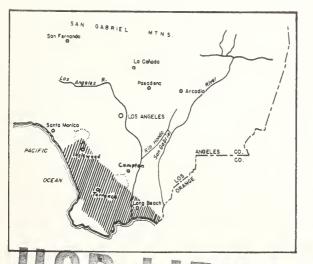
BULLETIN No. 179-71

WATERMASTER SERVICE

IN THE

WEST COAST BASIN

LOS ANGELES COUNTY



FOR PERIOD
JULY 1, 1970
THROUGH
JUNE 30, 1971

GUN & W. L. JURANI

DECEMBER 1971

NORMAN B. LIVERMORE, JR. Secretary for Resources

Secretary for Resources Go
The Resources Agency State o

RONALD REAGAN

Governor

State of California

Director

Department of Water Resources



STATE OF CALIFORNIA The Resources Agency

Department of Water Resources

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WILLIAM R. GIANELLI

Director

Department of Water Resources

ABSTRACT

Water supply and demand conditions in the West Coast Basin have not changed appreciably for several years. Ground water extractions have averaged about 60,000 acre-feet annually. As water requirements grow and more supplemental sources are developed, the trend is for an increase of imports; however, during the past water year, imports decreased, attributable to the increase in rainfall. In the 1970-71 water year, 9 parties overextracted a total of 87.34 acre-feet. Four overextracted by less than the 10 percent or 2 acre-foot limitation set by the Judgment. The five parties in violation purchased sufficient water from the 1971-72 Exchange Pool to offset their overextractions and meet their 1971-72 needs. As a result, the Watermaster recommends that no action be brought before the Court against the five parties.

	Wate:	r Year
Item	1969-70	1970-71
Parties Active pumpers Active nonparties Adjudicated Right, in acre-feet	81 48 4 64,468.25	80 48 4 64,468.25
Vatermaster expenses, total Vatermaster expenses per acre-foot pumped	\$34,809.93 \$.56	\$42,274.80
Rainfall, in inches	6.47	10.88
Injection at barrier project, in acre-feet	29,461	32,065
Extractions, in acre-feet Imports, in acre-feet Exports, in acre-feet	62,447 257,012 - 13,700	60,923.93 251,886.98 - 12,846.46
TOTAL WATER USE, in acre-feet	305,749	299,964.45

State of California The Resources Agency DEPARTMENT OF WATER RESOURCES

Ronald Reagan, Governor

Norman B. Livermore, Jr., Secretary for Resources
William R. Gianelli, Director, Department of Water Resources

John R. Teerink, Deputy Director

SOUTHERN DISTRICT

James J. Doody

. District Engineer and Watermaster

· · · · · · · · · · · · · · · · · · ·	
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FOREWORD

The Department of Water Resources, as Watermaster for the West Coast Basin, submits this annual report as a comprehensive review of water supply conditions in the Basin during the 1970-71 water year. The report was prepared for the Superior Court of the County of Los Angeles, and for the parties to the West Coast Basin Judgment, whose provisions authorize its publication.

The West Coast Basin is administered by the Department as a watermaster service area in accordance with Part 4, Division 2, of the California Water Code. The Basin has been operating for several years under a well-defined management plan that limits and monitors ground water extractions.

This report contains information on ground water extractions, use of imported water, recharge operations, the administration of the Exchange Water Pool, and a financial report on watermaster service during the 1970-71 water year.

> James J. Doody District Engineer Southern District and Watermaster

1) Koody

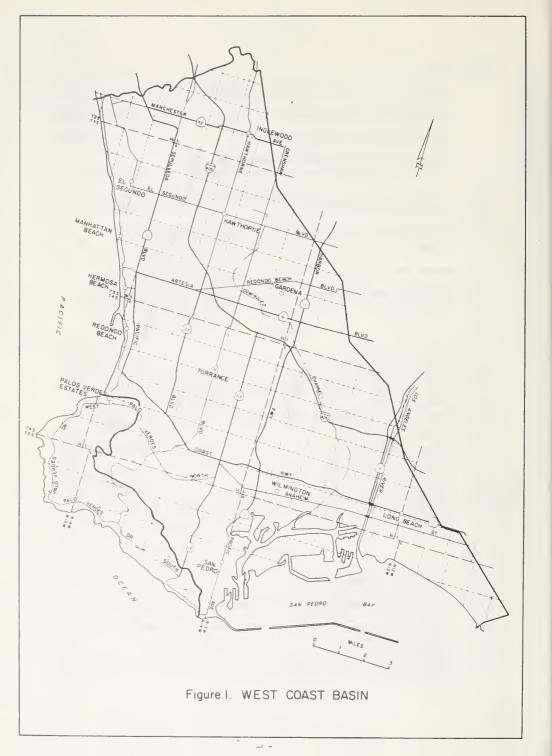
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I. THE WEST COAST BASIN

The West Coast Basin is a relatively small ground water basin underlying the southwestern part of the Los Angeles Coastal Plain. It is bounded on the south and west by the Pacific Ocean, on the north by the Ballona Escarpment, and on the east by the Newport-Inglewood Uplift. Most of the Basin's 160 square miles includes 19 incorporated cities. A substantial portion of the water needed by these communities can be pumped directly from the ground water in storage beneath them.

Some 20 years ago, when an incursion of sea water caused by declining water levels threatened the quality of the ground water supply, timely legal action was begun to halt the overdraft and prevent serious damage to the Basin. Today ground water use in the Basin is monitored by a court-appointed Watermaster whose primary job is to control ground water use and report all significant water-related events in the Basin to the Superior Court in Los Angeles County and parties to the West Coast Basin Judgment. The Basin has been operated under the management of a Watermaster for ten years.

History of Water Resources Development

The absence of adequate surface water supplies in the West Coast Basin forced the early development of ground water sources. In 1870, the communities of Inglewood and Long Beach had tapped the artesian wells and springs east of the Newport-Inglewood Uplift. When the artesian wells ceased to flow, water users were forced to drill small wells for water. By 1904, about 100 wells were producing 10,000 acre-feet of water annually.

The techniques used to develop ground water were advanced dramatically in 1909 with the advent of the deep well turbine pump. Its tremendous adaptability and superior operating characteristics gave countless water users access to efficient water wells. Dependable sources of water attracted industry and agriculture and in time the demand for water exceeded the rate at which the Basin was being replenished naturally. The resulting overdraft was clearly shown by falling ground water levels and expanding areas of sea water intrusion. Water levels throughout the Basin dropped below sea level in the 1920's. Water wells along Santa Monica Bay had been abandoned by 1920 because the water was too salty to use. By 1932 the entire coastal reach of the Basin had been invaded by sea water.

Ground water deterioration continued until in 1945 the California Water Service Company, the City of Torrance, and the Palos Verdes Water Company filed suit in Superior Court, Los Angeles County. Their objectives: to quiet title to the ground water rights of each pumper and to establish control over ground water extractions from the Basin. Other organizations moved to support the litigations and the West Basin Water Association was formed in 1946. A plan to manage the Basin's water resources was set up to:

- Provide a supplemental water supply for major producers
 - 2) Limit ground water extractions
- Create an exchange water pool to provide pumping rights for water users not having access to supplemental water.

The first of these steps was realized in 1947 when the West Basin Municipal Water District was formed to distribute water from the Colorado River. The District was annexed to the Metropolitan Water District of Southern California in 1948, and Colorado River water began flowing into the West Coast Basin.

The second and third steps began when the Court held its preliminary hearings in 1946 to define the ground water problem and outline areas in which more information was needed. The Court then asked the California Division of Water Resources (now the Department of Water Resources) to define the boundaries and determine the geologic and hydrologic characteristics of the West Coast Basin. Division personnel spent six years analyzing the physical properties of the Basin. The major water producers also retained an "Engineering Advisory Committee" to aid the investigation.

As more information became available, the full magnitude of the problem became evident. In 1949, an amended complaint added 340 parties to the suit. A "Report of Referee" was filed with the Court on September 15, 1952.

Several years passed before water users became sufficiently alarmed by ground water conditions to draft an Interim Agreement that reduced ground water extractions until a final Judgment was approved. The Court approved the Agreement and appointed the Division of Water Resources as Watermaster to administer it.

A "Final Report of Referee" filed on June 8, 1961, included data on ground water conditions between 1950 and 1956. The Report provided the information needed to draft the final Judgment. On August 8, 1961, after 16 years of litigation, the Court rescinded the Interim Agreement and signed the West Coast Basin Judgment. The new Judgment retained the (now) Department of Water Resources as Watermaster.

A second suit, often called the American Plant Growers Case, was filed in October 31, 1956, to bring several new pumpers not named in the original suit under the orders of the Judgment. As a result, 76 additional parties were ultimately placed under the jurisdiction of the Court on March 24, 1966.

Watermaster Service

Watermaster service areas are created by the Department of Water Resources either at the request of water users or by order of the Superior Court. Cost of the service is shared equally by the State and the participating water users.

Once a month every ground water pumper reports his ground water extractions to the Watermaster and each water right account is revised by computation of the amount pumped during the previous month, the total amount pumped thus far during the current water year, and the amount that can legally be pumped during the remainder of the water year. Each pumper receives an updated copy of his account every month.

Accurate measurement of ground water extractions is absolutely necessary to the success of the Basin's management plan. Therefore, the field staff calibrates the water meter on every active water well at least once every two years. Every available means, including system efficiency tests, are used to confirm water meter test results. Inaccurate meters must be repaired in 30 days. Follow-up tests on repaired meters and initial tests on new wells are scheduled whenever necessary.

Once each fall and once each spring of each water year the depth to the static ground water level is measured in about 350 water wells in the Basin. The measurements are used to prepare "fall" and "spring" contour maps of ground water surface and "fall-to-fall" maps of areas of equal elevation change over a one-year period.

II. WATER SUPPLY

Water from several sources serves Southern Californis -- the Colorado and Owens Rivers, mountain runoff, ground water, reclaimed waste water, and water from coastal desalination plants. Additional water will soon be delivered by the California Aqueduct.

Precipitation

Typically sparse rainfall has little influence on the ground water supply of the West Coast Basin. Impermeable material lying between the surface and the producing aquifers prevents almost all rainfall from reaching zones from which it could be pumped to the surface. Longtime average precipitation is 12.73 inches per year. Average for the 1970-71 water year was about 85% of that amount. Locations of precipitation stations used to measure rainfall in the basin are shown in Figure 2.

Ground Water Recharge

Natural replenishment of the basin's ground water supply is limited to underflow from the Central Basin, which bounds the West Coast Basin on the east.

Table 1. SPREADING OPERATIONS

	Quantity in scre-feet			
Water Source	1969-70 Water Year	1970-71 Water Year		
Metropolitan Water District water purchased with Central and West Basin Water Replenishment District funds	28,789	25,420		
MWD water purchased with LACFCD Zone 1 funds	26,651	46,714		
Local runoff	53,257 <u>b</u> /	41,7819		
Reclaimed water	17,156	19,495		
Makeup water from Upper San Gabriel Basin	0			
TOTALS	125,853	133,410		

s/ Information provided by the Los Angeles County Flood

c/Estimated figure

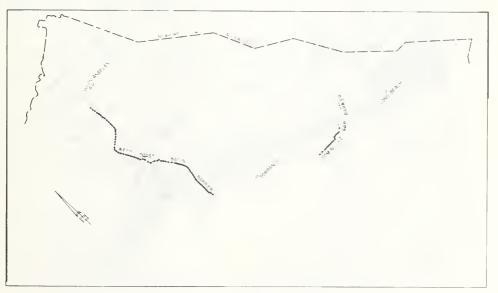


Figure 2 PRECIPITATION STATIONS AND BARRIER PROJECTS

Control District b/ Corrected figure

Water spread in the Central Basin percolates into aquifers there and oventually crosses the Newport-Inglewood
Uplift to supplement the ground water
supply in the Coastal basin. Although
the water is not directly applied to
the West Coast Basin, this process returns large quantities of water to the
ground and substantially increases natural subsurface flow from the Central
to the West Coast Basin. Effectiveness of the process is limited to the
space available in one basin for spreading facilities and the other basin's

Table 2. BARRIER OPERATIONS

Operation	West Coast Basin	Dominguez Gap
quantity injected, in acre-feet Average injection rate, cubic	29,867	2,198
feet per second	41.5	4.5
Number of injection wells	93	29
Mumber of observation wells	265	197
Mumber of injection wells to be		
added during 1971-72 water year	0	0
Number of observation wells to be		
added during 1971-72		0

a/ Information provided by the Los Angeles County Flood Control District.

capability to accept the water. The entire spreading operation is summarized in Table 1.

Sea-Water Intrusion Barrier Projects

Sea-water intrusion in the West Coast Basin barrier project has been effectively halted by a line of 93 injection wells that parallel the coast between the Los Angeles International Airport and the Palos Verdes Hills. The Los Angeles County Flood Control District, which operates the project, injects filtered Colorado River water into the barrier to create a pressure ridge that impedes the inland movement of a saltwater front and maintains protective ground water elevations in the Silverado and "200-foot sand" aquifers. Water for the barrier is purchased by the Central and West Basin Replenishment District and delivered by the Metropolitan Water Listrict. Scope of the project is shown in Figure 3, which illustrates the extent to which sea water has

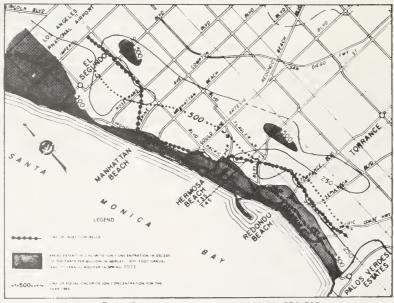


Figure 3 WEST COAST BASIN BARRIER PROJECT

intruded into the merged phases of the Silverado aquifer.

A second barrier to sea-water intrusion was built by the LACFCD along San Pedro Bay. This project, called the Dominguez Gap barrier project, started operations during February 1971 and operates in a manner similar to the West Coast Basin barrier project. The project has 29 injection wells located as shown in Figure 2. Table 2 gives additional data on the barrier projects.

Water Quality

Providing good quality ground water for the West Coast Basin depends to a great extent on the use of correct water well construction methods. Some aquifers in the Basin are hydraulically connected to the ocean and occasionally sea water moves from them into adjacent fresh-water aquifers. If a well being drilled without proper casing techniques passes through both saline and fresh water aquifers, the sea water can move from the polluted aquifer to the unpolluted one.

To prevent such occurrences, the Department of Water Resources conducted an intensive investigation that culminated in the publication of recommended standards for water well construction and destruction. Adoption hearings on these standards were held in 1969 by the Los Angeles Regional Water Quality Control Board, and it now reports that all local agencies and municipalities in the West Coast Basin have adopted them.

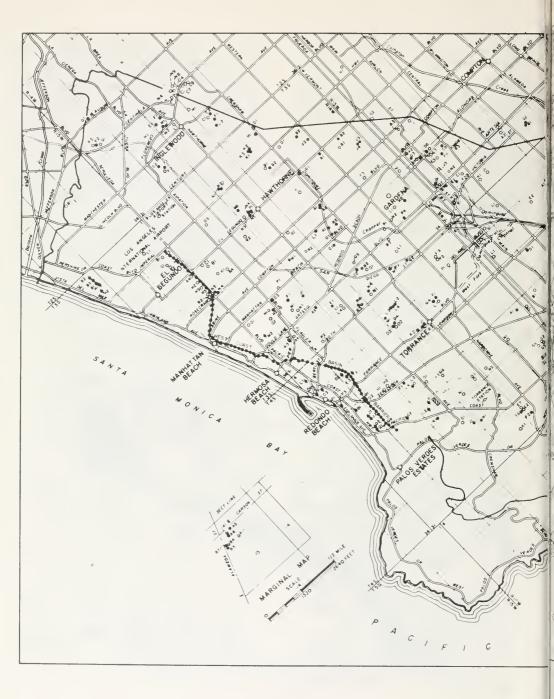
Solid waste is another factor that can affect ground water quality in the basin. A shortage of disposal sites for this material has become increasingly critical. Abandoned gravel pits are particularly sought after. One of these is the Chandler Pits just south of the Pacific Coast Highway. Several applications for permission to use this site for disposal of solid waste have been refused because of the potential degradation of ground water. The Central and West Basin Water Replenishment District, the West Basin Water Association, and others have vigorously opposed these applications. One applicant had asked to deposit decomposable solid waste in the pits. In December 1968, the Regional Board reaffirmed its restriction to deposition of inert material. The matter was appealed, but during the past water year the appeal was dropped.

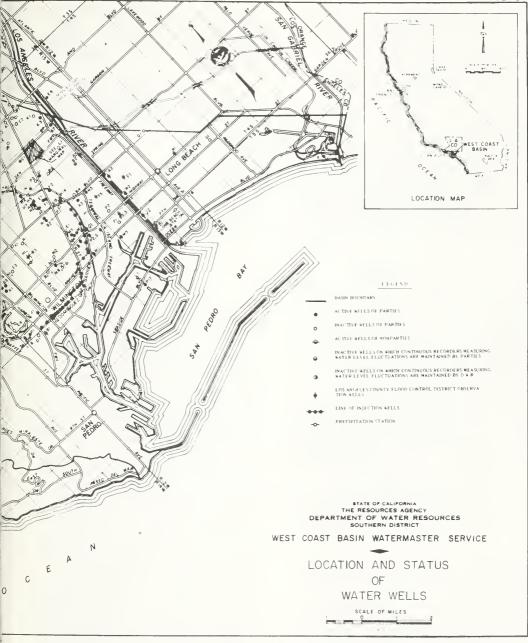
Construction Projects Affecting Water Supply

Three major construction projects will significantly affect the water supply of the West Coast Basin: The State Water Project, the Metropolitan Water District's distribution system, and the second barrel of the Owens River-Mono Basin Aqueduct of the City of Los Angeles.

About 99 percent of the State Water Project conveyance facilities are complete. The MWD has completed construction of the Second Lower Feeder between Alameda Street, easterly of the City of Carson, and the Palos Verdes Reservoir. The Sepulveda Feeder, which will also carry water from the State Water Project to the West Coast Basin is currently under construction. The portion from the treatment plant to the Sepulveda tunnel and the tunnel are complete. The remaining portion which ties in to the Second Lower Feeder at 220th Street in Torrance is approximately 65 percent complete, with completion

^{1/} DWR Bulletin No. 74, "Water Well Standards; State of California," February 1968; and DWR Bulletin No. 107, "Recommended Well Construction and Sealing Standards for Protection of Ground Water Quality in West Coast Basin Los Angeles County," August 1962.





scheduled for December 1972. The City of Los Angeles completed construction of the second barrel of its Owens River-Mono Basin Aqueduct in June 1970. The barrel ends in the San Fernando Valley but some of the water crosses the Santa Monica Mountains and moves south into the West Coast Basin.

Another project of interest to West Coast Basin water users is the Los Angeles County Joint Sanitation District's plan to reclaim waste water by spreading it in the forebay areas of the Central Basin. Although none of the proposed facilities will be located in the coastal basin, that basin may benefit later, possibly through use of the reclaimed water to operate the area's two sea-water barrier projects.

In Lieu Replenishment

During the 1965-66 water year, the Central and West Basin Water Replenishment District began a program of in lieu replenishment. By contract with the Replenishment District, any producer with access to supplemental water may use it instead of water pumped from the ground. The program may be used to:

- Alter pumping patterns within a ground water basin,
- Replenish areas of low transmissibility where conventional recharge techniques are ineffective,
- Heighten the effect of injecting water to form a sea-water barrier by reducing nearby extractions,
- 4) Reduce the amount of replenishment water purchased by the District, and
- Reduce the annual ground water extraction from the West Coast Basin.

When the District first announced its intention to begin in lieu replenishment, several West Coast Basin producers expressed an interest. However, the only producer to participate so far has been the California Water Service Company. The in lieu replenishment program is an effective basin management tool which, if expanded,

could obtain significant beneficial results. The Central and West Basin Water Replenishment District, 7^439 East Florence Avenue, Downey, California 902^40 , is a source of additional information.

Table 3. IN LIEU REPLENISHMENT PROGRAM

Water Year	Amount contracted in acre-feet	do	Contract price, dollars per acre-foot		Total Payment
1965-66	744.59	\$	12.33	\$	9,180.79
1966-67	850.57		14.14		12,027.06
1967-68	850.00		13.36		11,356.00
1968-69	850.00		14.25		12,112.50
1969-70	899.88		15.32		13,786.16
1970-71	881.3C		17.83		15,713.58

a/ Information provided by the Central and West Basin Water Replenishment District.

Ground Water Levels

The volume of ground water stored in the West Coast Basin is constantly changed by variations in subsurface inflow and outflow, artificial recharge, extractions, and in precipitation to a lesser degree. The Silverado Aquifer, underlying most of the West Coast Basin, is the most productive aquifer in the basin. Varying from 100 to 500 feet in thickness, it yields about 80 to 90 percent of the ground water extracted annually.

Measurements of ground water surface elevations, (Plates 2 and 3), and the summarization of changes in water level elevations (Plate 4), demonstrate an increase in storage along the eastern part of the basin and a decrease in storage in the coastal area. The declining storage may have been caused by a reduced rate of recharge along the barrier project. The hydrographs of selected wells representative of the various aquifers underlying the basin (Figures 5, 6, 7) show that the water surface has stabilized. In some cases, it has risen slightly, due to recharge operations and changing extraction patterns.

State well numbers that identify each water well in the West Coast Basin are derived from a system based on the U. S. Public Lend Survey. Each number consists of township and range designation, a section number, a letter representing the 40-acre tract in which the well is situated, a sequence number indicating the chronological order in which the well number was assigned, and a letter representations.

sending the base and meridian. The last letter is frequently omitted from well numbers in a single area because all wells there share a single base and meridian. Well numbers are assigned by the Watermater.

The components of well No. 48/14W-13DC68, for example, are identified in the following breakdown:



The derivation of the components is illustrated below.

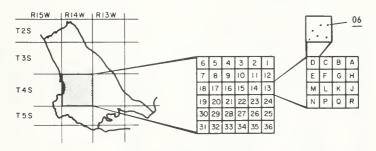
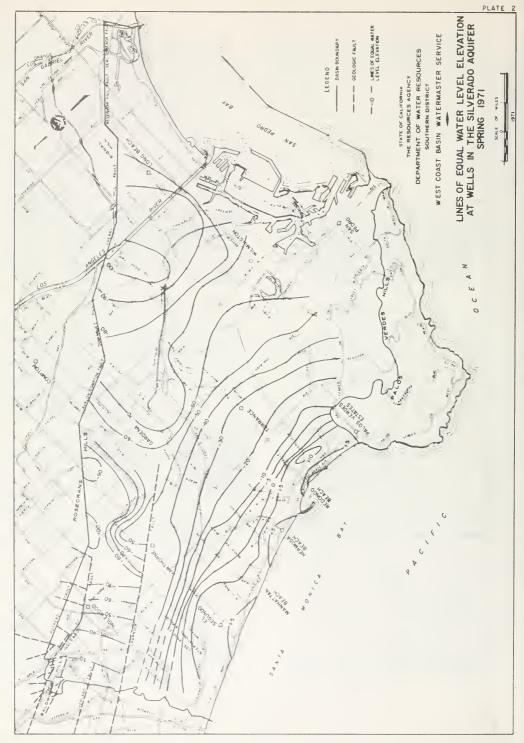
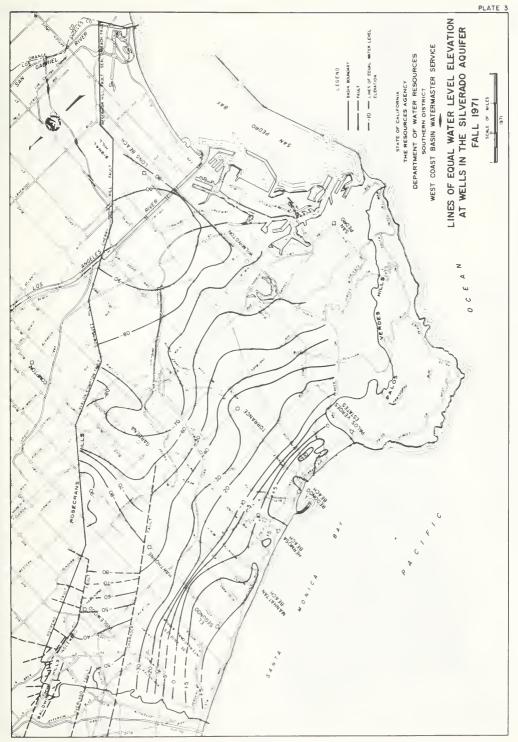
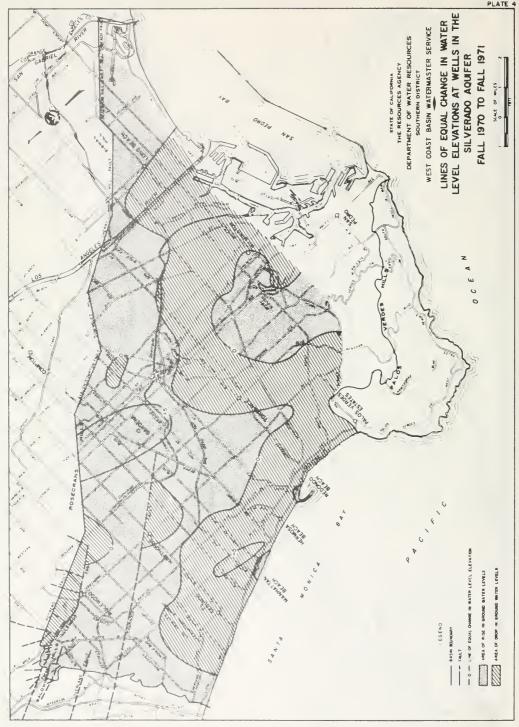


Figure 4. SYSTEM FOR WATER WELL IDENTIFICATION







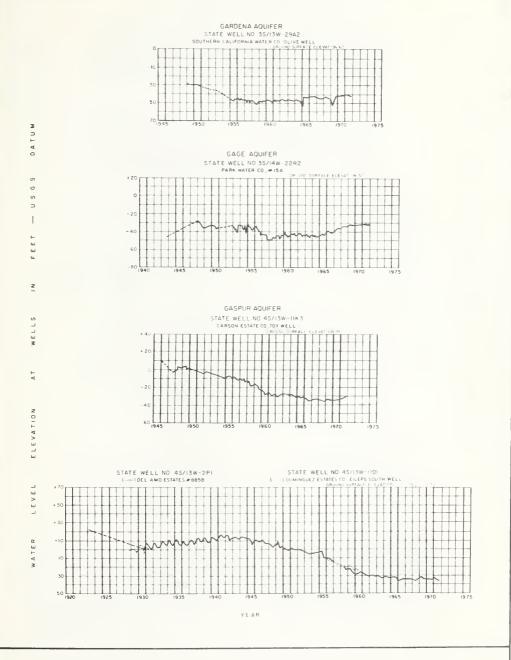


Figure 5. — FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS IN THE UPPER PLEISTOCENE AND RECENT AQUIFERS

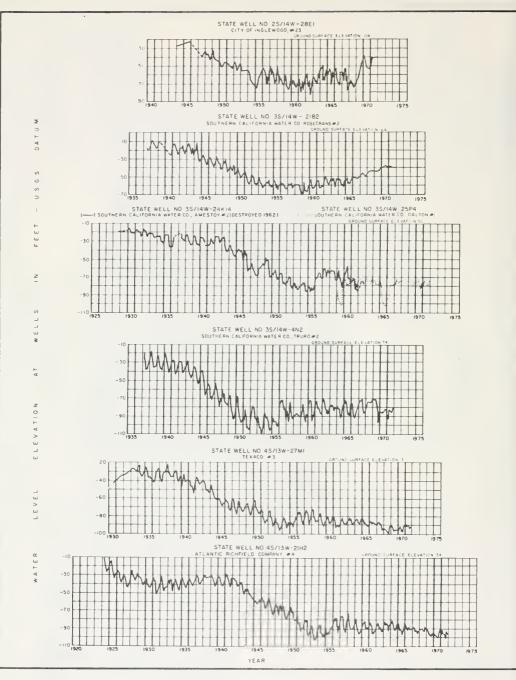


Figure 6. - FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS
IN THE SILVERADO AQUIFER

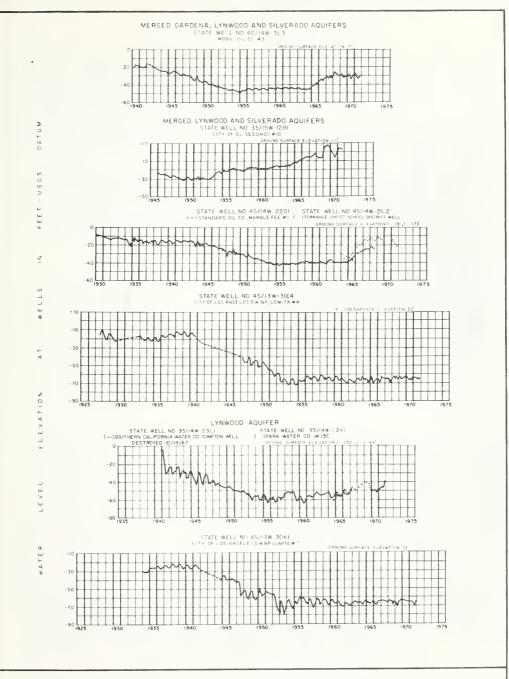


Figure 7.- FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS
IN THE MERGED PHASES OF SILVERADO AND LYNWOOD AQUIFERS



In the 1970-71 water year, the West Coast Basin provided approximately 313,000 acre-feet of water, 6000 acrefeet less than it provided in the 1969-70 water year. The basin contained 848 existing wells -- 119 active, 145 inactive, 122 injection, and 462 observation. Seven were drilled and 12 were destroyed.

Since 1955, the water demands of a rapidly increasing population have exceeded the 60,000 acre-foot total ground water extraction permitted by the Judgment, causing imported water to become the largest component of the basin's water supply.

Figure 8 depicts the monthly relationship among rainfall, ground water extractions, and imported supplies. Figure 9 illustrates annual ground water extractions and total water use from 1933 to the present. Much of the increase since the 1963-64 water year may be attributed to the West Coast Basin barrier project. Water demand for that purpose has leveled off since completion of the project in 1968.

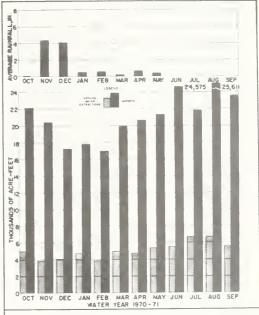


FIGURE 8-MONTHLY WATER DEMAND AND AVERAGE RAINFALL

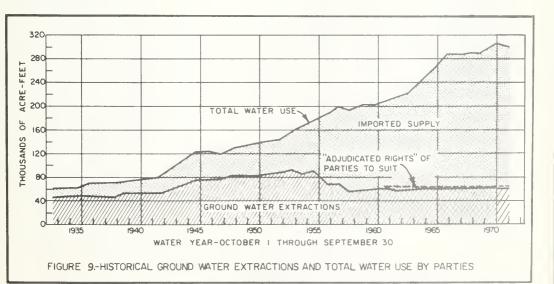


Table 4. SUMMARY OF WATER ACCOUNTS OF PARTIES, 1970-71 WATER YEARS, in acre-feet

in acre-feet								
Party	: (1) : Adjudicated : Right	: (2) : Allowable : carryover : from 1969-70	: (3) : Exchange water : purchased (*) : or sold (-)	: (4) : Net ₄ / : leases-	: (5) : Allowable : estraction :(1)^(2)^(3)^(4)*(5)	: (6) : Amount : purped	: (7) : Balance : (5)-(6)=7	: (8) : Allowable : carryover : into 1971-72
ABC Bursery, Incorporated American Plant Growers, Incorporated Asahi Fancy Koi, Incorporated Atlantis Richfield Company Ballman, Rosemary	22.10 10.00 2.00 4,428.00 7.00	- 4.44 - 3.42 + 2.00 - 288.72 0.00	+ 9.0c - 7.00	* 20.00 * 12,10 *6,900,00	26.66 26.58 16.10 11,616.72 0.00	35.67 29.89 0.00 11,331.33 0.00	- 9.01 - 3.31 + 16.10 + 285.39 0.00	- 9.01 - 3.31 + 2.00 + 285.39 0.00
Boise Cascade Building Company Californis water Service Company Carson-Madrone Company Chandler's Palos Verdes Sand and	16.92 3,071.00 104.00	+ 2.00 + 307.10 0.00		- 20.00	18,92 3,358,10 0,00	0.00 2,169.70 0.00	+ 18.92 +1,188,40 0.00	* 2.00 • 305.10 0,00
Gravel Corporation Coast Forest Products	294.20 3.40	· 29.42	• 146.00		469.02 5.40	339.87	• 129.75 • 5.40	+ 29.42 + 2.00
Columbia Broadcasting System, Incorporated Curtis, Owen W. Delaney, Colda, Estate of Deaser Enterprises Dominguez Water Corporation	9.50 0.36 4.10 0.00 10,150.65	0.00 • 0.72 • 2.00 • 5.05 ^c / - 615.09	+ 2.00	- 9.50 - 558.39	0.00 1.08 6.10 7.05 8,977.17	0.00 0.00 0.1t 8,801.20	0.00 • 1.08 • 6.10 • 6.89 • 175.97	0.00 • 1.08 • 2.00 • 6.890 • 175.97
El Segundo, City of Dagelame, Jake Etchemendy, Ceroline, Fatate of Fletcher Oil and Refin ng Company Fletcher, Robert G., Daniel S. and Wilfred	953.00 12.10 8.47 86.30 D. 3.70	0,00 0,00 0.00 + 8.63 0.00		- 900,00 - 12,10 - 8,20	53.00 0.00 0.00 94.93 3.70	0.00 0.00 0.00 76.32 0.00	• 53.00 0.00 0.00 • 18.61 • 3.70	* 5.30 0.00 0.00 • 8.63 • 2.00
Pujimoto, Samuel R. & Raymond S. Gillingham, Florence R., et al. Gonzeles, Felipe Grent, John, Estate of Herris Tube, Incorporated	20,00 2,40 34,30 99, 00 0,70	2,00 0,00 0.00 + 5,90 + 1,40	- 2,40	- 34,30	22,00 0,00 0,00 64,90 2,10	7.26 0.00 0.00 0.00 0.00	* 14.74 0.00 0.00 * 64.90 * 2.10	* 2.00 0.00 0.00 * 5.9° * 2.00
Hewthorne, fity of Hillside Memorial Park Hollywood Turf lub Industrial Chevical Division, Allied	1,882.00 29.20 282.00	+ 12.46 - 18.09 + 10.68	• 37,0C		1,894,46 48.11 292.68	1,88r.60 3f.03 266.91	• 7.8c • 12.08 • 25.71	* 7.8r _b / * 3.89 [±] * 25.71
Chemical Corporation Inglewood, City of	255.0X 4,385.17	+ 25.50 + 69.00			28c.50 4,454.17	193.10 4,342.54 <u>d</u> /	+ 87,40 + 111.63	+ 25.50 • 111.63
Inose, Kenichi Ishibashi, Aki Johns-Menville Products Corporation Joughin Torrence Rench Lagerlof, Stenley C.	5.40 0.00 881.00 3.33 3.50	- 5,92 - 16,06 - 19,38 + 2,00 + 2,00	+ 1¼,00 + 40,00	- 5.50	15.68 23.94 861.62 5.33 0.04	18,0t 29,37 858,89 0,00 0,00	- 2.38 - 5.43 + 2.73 - 5.33 0.00	- 2.38 - 5.43 + 2.73 + 2.00 0.00
Lermens, Alfred Leuzinger, Dame L. Lonw Beech, City of Lopes, Frenk Los Anseles, City of	0.70 1.40 0.70 3.70 1,503.00	- 1,40 - 2,00 - 1,40 - 2,00 - 149,73		+1,000,00	2.10 3.40 2.10 5.70 2,652.13	0.00 0.00 0.00 0.00 2,548.21	* 2.10 * 3.40 * 2.10 * 5.70 * 164.52	* 2.00 * 2.00 * 2.00 * 2.00 * 104.52
Los Angeles County-Alondre Perk Los Angeles County Sanitation	67.70	0.00			£7.7C	r44.1r	- 576.46 <u>e</u> /	€.00
Los Angeles County Sanitation Distri N . 2 Los Ang unt, but repro- Dist : t No. 1	162 cd	4.73			10c.73	81 gi	· 20.83	+ 10.20
Dist i t No. 17 Los Angeles Dunty Waterworks District No. 22	1,352.00 511.00	95.20	- 200,00	1*000 LK	227,2C	0.00	+ 227.70°	+ 35.20 + 15.10
Los Angeles County-Western Avenue Golf Course	29€,00	· 29.60			325.60	154.21	• 171.39 ^e	4 29.1
Loyols University of Los Angeles Mannettan Beach, fity of Mayflower Murseries McDonnell Douglas Corporation Mobil Oil Perperation	48.10 1,131.20 0,00 1.70 2,570.00	. 4.81 . 0.21 . 8.13¢/ . 2.00 . 78.47	+ hanc	- 52.91 -1,100.00 +1,648.00	.00 31,41 12,13 3, (4,20r,4	7,01 29,13 2,67 7,00 4,284,72	0.1C • 2.28 • 9.4t • 3.70 • 12.45	C.X • 2.28 • 9,46 • 2.70 • 12.45
Mori, Roy H. and Kenia Northrop Corporation, Aircraft Division Otani, Chisato Perific Cycat Cemetery Company Palos Verdes Bezonia Farm	5,60 38,15 0,00 39,40 0,00	* 2.00 * 3.62 0.00 * 3.94 * 2.63°	+ 2G.(X	• 31.70	7.60 41.9 51.10 43.34 2.83	0,00 6.14 51.7 37.25 2.30	41.97 0.60 1.09 5.53	* 2.00 * 3.82 * * 2.94 * 7.53~
Palos Verdes Water Company Park Water Company Phillips Petroleum Company Rehor, Josephine P. Rockwell, Michael L.	999.00 160.00 167.00 2.20 0.10	0.00 - 24.81 • 0.70 0.00 • 0.20	+ 164,€ - 161,€	- 900,00 - 2,20	299.19 6.70 0.00 0.30	0,00 3/0,28 0,00 0,00 0,14	0.00 - 7.19 • 6.70 • 0.00 • 6.30	0.04 - 7.19 + 6.70 .70 .70
Roman Catholic Archbishop of Los Angeles Santa Fe Land Improvement Company Sheets, Eather M. Shell Oll Tompany Shinods Brothers, Incorporated	72.30 39.50 5.50 4,51r.00 22.50	0.48 0.00 4 2.00 + 368,82 + 2.25	+ 58,0C	- 39.50	13/1.78 7.00 7.5(4,884.82 24.75	127.87 C.O. 1.45 4.185.73 13.56	* 2.91 C.OC * 6.C5 * 696.C9 * 11.19	* 2.91 C.000 * 2.70 * 441./ * 2.25
Southern Celifornie Edison Compeny Southern Telifornie Water Compeny Spanish American Institute Sparkletta Frinkans, Water Corporation Stendard Oil Compeny of Celifornie	57.10 57.10	+ 4.9° + 0.32 + 4.44 + 15.26 + 60.13		- 31.70 -k,600.00	30.31 r,548.9r 48.84 16.8r r1.43	8,42 1,548,19 12,35 117,89 0,00	* 21.9° * 0.2° * 36.49 * 49.9 * 61.43	+ 2,54 + 0,27 + 4,44 + 15,28 + 2,00
Steuffer Chewicel Company Superior Oil Tompany Texemoglacorporated Torrance, City of Union Nursery, Incorporated	521.00 26.40 3,432.00 3,804.73 4,70	+ 52.10 + 2.54 + 1.17.44 - 32.73 + 0.61	+ 10,.x	• 30,00 •1,033,30	603.10 29.04 4,882.74 3,772.60 15.31	5ku, 96 6.00 3,891.98 3, 784.95 1".93	• 58,12 • 29,04 • 99,7t • 8,95 • 2,62	• 55.10 • 2.64 • 446,53 • 8.91 • 2.62
Union Oil Company of California United States Steel Corporation Nation Land Company Wiseburn School Mistrict Ziegler, Maxwell T.	2,170,00 1,791,00 80,20 8,20 0,00	* 13.90 * 75.24 - 9.03 * 2.06 - 10.47	- 160,rd - 47,00	- 864.00 - 380.00 - 20.00	1,683,94 1,325,64 51,1 10,20 36,53	1,930,35 1,792,94 53.1 c.cc 21.78	- 46,45 • 232,70 - 2,00 • 10,20 • 9,75	- 4r,45 • 141.10 - 2. X • 2.00 • 9.75
TOTAL	n4,448.25	1,49.01	0,00	0,00	65,958,26	ec,923,93	45,636,33	+ 2,356,15

a See Table " for explanation of leased or purchased vater right entitlements and new parties by Includes .9 some-feet of Exhance Pool vater (C finite amount in Exhance Pool vater).

§ Includer extractions by Instrument Solf Tourse.

§ Includer extractions by Instrument Solf Tourse.

Extractions by Los Amoules Siminty. Alonder Park, waterworks District Nos. 13 and 22, and Mestern Avenue Golf Course are inversed by an equivalent water right in an exhance pool. All three water rights are inschined and any rame offer is divided between the waterworks districts in propertion to water right.

Ground Water Extractions

The West Coast Basin Judgment limits the amount of ground water that each party can extract annually from the basin or release to the Exchange Pool for pumping by other parties. Table 4 summarizes each party's water account. The metered ground water production

from each active well in the basin is listed by party in Appendix B, which shows the total ground water production reported by each party. Gross water supply of all parties, which appears in Table 5, includes all sources of water necessary to provide each party's total water requirement for its service area. The service areas are shown on Plates 5 and 6 (pages 28-31).

Table 5. GROSS WATER USE
In acre-feet

Party	: Total : ground water : extractions	:	ed supply Within basin	Total supply
BC Nursery, Incorporated	35.67			35.67
American Plant Growers, Inc.	29.89			29.89
Asahi Fancy Koi, Incorporated	0.00			0.00
Atlantic Richfield Company	11,331.33		1,886.01	13,217.34
Ballman, Rosemary	0.00		<u>c</u> /	<u>c</u> /
oise Cascade Building Company	0.00		<u>d</u> /	d/
California Water Service Company	2,169.70	11,723.60	_	13,893.30
arson-Madrona Company	0.00	,	d/	d/
handler's Palos Verdes Sand and			_	_
Gravel Corporation	339.87			339.87
Coast Forest Products	0.00		₫/	₫/
Columbia Broadcasting System, Inc.	0.00			0.00
urtis, Owen W.	0.00			0.00
elaney, Golda, Estate of	0.00			0.00
esser Enterprises	0.16	- /		0.16
ominguez Water Corporation	8,801.20	22,309.82 ^e /		31,111.02
Il Segundo, City of	0,00	18,206.10		18,206.10
ingelsma. Jake	0.00	,	d/	, ,
tchemendy, Caroline, Estate of	0.00		<u>c</u> /	<u>d</u> /
letcher Oil and Refining Company	76.32		₫/ 호/ 159.38	235.70
letcher, Robert G., Daniel S.,			-,,,,	
and Wilfred D.	0.00		₫/	<u>d</u> /
ujimoto, Samuel R. and Raymond S.	7.26			7.26 d/ c/ c/
illingham, Florence R., et al.	0.00		٨.	d/
onzales, Felipe	0.00		<u>-</u> /	<u>-</u>
rant, John, Estate of	0.00		<u>-</u>	<u>-</u> /
Harris Tube Incorporated	0.00		c/ c/	<u>-</u>
lailis lube incorporated	0.00		2)	
Mawthorne, City of	1,886.60	3,395.50		5,282.10
Millside Memorial Park	36.03		59.55	95.58
iollywood Turf Club	266.97		143.75	410.72
Industrial Chemical Division,				
Allied Chemical Corporation	193.10 _f /	f/	915.99	1,109.09
Inglewood, City of	4,342.54	8,494.40 ^f /		12,836.94

GROSS WATER USE In acre-feet (continued)

(continued)				
Party	: Total : ground water	. ,	sed supply	Total supply
	: extractions	: Imported ::	: Within basin	
Inose, Kenichi Ishibashi, Aki Johns-Manville Products Corp. Joughin Torrance Ranch Lagerlof, Stanley C.	18.06 29.37 858.89 0.00 0.00		559.36 <u>d</u> /	18.06 29.37 1,418.25 d/ 0.00
Lermens, Alfred Leuzinger, Emma L. Long Beach, City of Lopes, Frank Los Angeles, City of	0.00 0.00 0.00 0.00 2,548.21	29,523.21 ^g / 57,851.00 ^h /	<u>c</u> /	0.00 <u>e/</u> 29,523.21 0.00 60,399.21
Los Angeles County - Alondra Park	644.16		106.42	750.58
Los Angeles County Sanitation District No. 2	85.90		198.40	284.30
Los Angeles County Waterworks District No. 13 Los Angeles County Waterworks	0	2,450.80		2,450.80
District No. 22 Los Angeles County - Western Avenue	0	1,447.70		1,447.70
Golf Course	154.21		88.39	242.60
Loyola University of Los Angeles Manhattan Beach, City of Mayflower Marseries McDonnel Douglas Corporation Mobil Oil Corporation	0.00 29.13 2.67 0.00 4,284.02	6,263.70	146.00 <u>a/</u> 3,273.93	146.00 6,292.83 2.67 <u>a/</u> 7,557.95
Mori, Roy H. and Kenji Northrup Corporation, Aircraft Division Otani, Chisato Pacific Crest Cometery Company Palos Verdes Begonia Farm	0.00 0.00 51.70 37.25 2.30		0.60	0.00 0.00 51.70 37.25 2.30
Palos Verdes Water Company Park Water Company Phillips Petroleum Company Rehor, Josephine P. Rockwell, Michael L.	0.00 306.38 0.00 0.00	15,038.50	13.18 c/	15,038.50 306.38 13.18 <u>c/</u> 0.00
Roman Catholic Archbishop of Los Angeles Santa Fe Land Improvement Company Shects, Esther M. Shell Oil Company Shinoda Brothers, Incorporated	127.87 0.00 1.45 4,185.73 13.56		<u>a/</u> 3,980.45	127.87 d/ 1.45 8,166.18 13.56
Southern California Edison Company Southern California Water Company Spanish American Institute Sparkletts Drinking Water Corporation Standard Oil Company of California	8.42 0,548.69 12.35 117.89 0.00	22,758.99 ⁱ	6.71 395.69 14,514.00	9.13 29,763.37 12.35 117.89 14,514.00

GROSS WATER USE In acre-feet (continued)

Party	: Total : ground water : extractions		sed supply	: Total supply
Stauffer Chemical Company	544.98		237.89	782.87
Superior Oil Company	0.00			0.00
Texaco, Incorporated	3,891.98		1,922.30	5,814.28
Torrance, City of	3,780.95	20,338.66		24,119.61
Union Mursery, Incorporated	17.93			17.93
Union Oil Company of California	1,930.35		5,729.06	7,659.41
United States Steel Corporation	1,092.94		229.37	1,322.31
Watson Land Company	53.17		54.58	107.75
Wiseburn School District	0.00		73.14	73.14
Ziegler, Maxwell T.	26.78			26.78

a/ Imports from Metropolitan Water District or member agency unless otherwise noted.

b/ Purchased from municipal, mutual, or public utility water agency.

c/ Domestic use with consumption less than one acre-foot purchased from public utility.

d/ Information not available.

e/ Includes 4,006.02 acre-feet of Central Basin ground water.

 \overline{f} / Of this amount 26.77% is exported to Central Basin.

 \overline{g} / Includes Central Basin ground water. h/ Imported from Owens River-Mono Basin.

j/ Includes 747.09 acre-feet of Central Basin ground water.

Extractions by Nonparties and Parties with no Adjudicated Rights

Several nonparties and parties with zero Adjudicated Rights pump water from the West Coast Basin. Parties with zero water rights have abided by the Judgment

TABLE 6. EXTRACTIONS BY NONPARTIES AND PARTIES WITH ZERO ADJUDICATED RIGHTS

Pumper	State Well To.	Amount pumped, in acre-feet		
Cost, Edward Desser inter rises* Ishibashl, Aki* Mayflower Turseries*	38 /12W-30Q1 40,/13W-15 1 48,/14W-24A1 36 /14W-25KC 38 /13W-31.7	0.50 2.1,	0.30 0.1 29.37	
McFadden, John K. Otani, "hisato"	30 13% - 19K2 35 14% - 33K4 30 14% - 33R4	15.00 3 . 0	51.70	
Falos Verdes Begonia Farm* Fioneer Paper Stock Company Three Star Nursery Ziegler, "axwell T.*	30 /14211 30 /14./-31.72 30 /14./-3393 30/13W-21/41		2.30 1.89 4.82 20.78	
	TOTA		121.00	

*Parties to the Judgment, shown in Table 4.

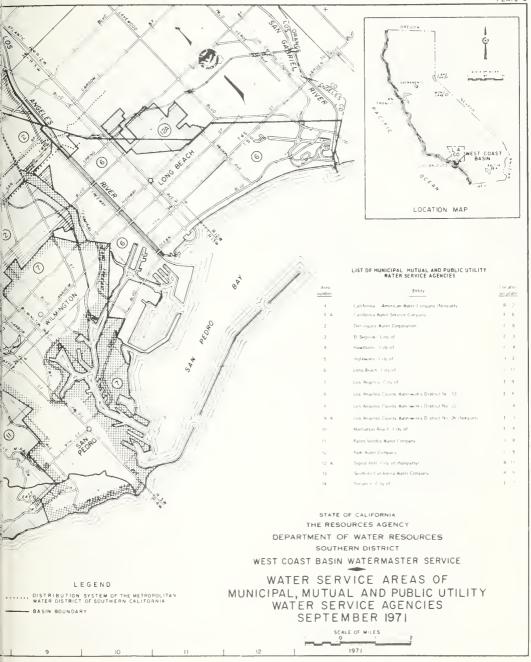
by offsetting their extractions with Exchange Pool water purchases. Extractions reported to the Central and West Basin Replenishment appear in Table 6.

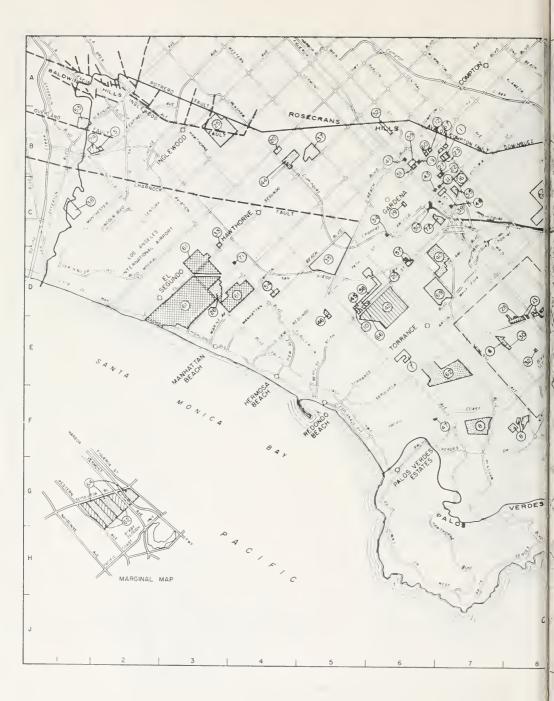
Imported Supplies

Large quantities of water are imported to the West Coast Basin from other sources. Water from the Colorado River arrives through facilities of the Metropolitan Water District of Southern California for distribution by the cities of Long Beach, Los Angeles, and Torrance and the West Basin Municipal Water District. Los Angeles also imports water from the Owens River-Mono Basin in eastern central California. The Dominguez Water Corporation, Long Beach, and the Southern California Water Company import ground water from the Central Basin to supplement other supplies.

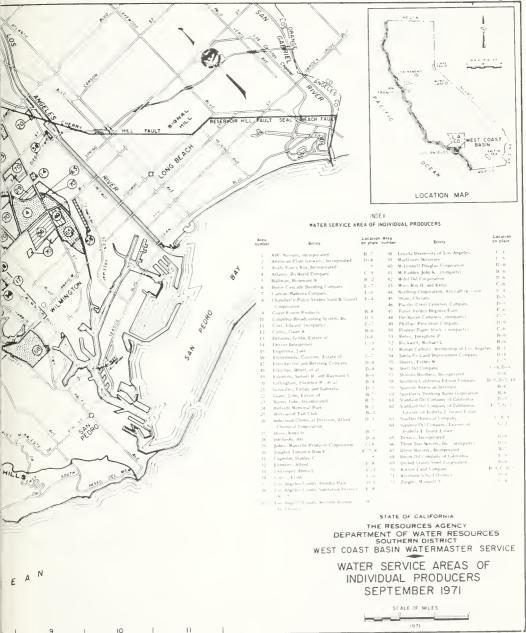
All imports to the West Coast Basin, with the exception of imports by two











nonparties, are listed in Table 7. The California-American Water Company imported 3,166 acre-feet and the City of Signal Hill imported 915 acre-feet. Both are nonparties.

Exported Supplies

Exports from the West Coast Basin are small. The City of Inglewood exported

3,427 acre-feet of ground water and Colorado River water to the Central Basin. The City of Los Angeles exported 1,394 acre-feet and the Palos Verdes Water Company exported 8,025 acre-feet of ground water and Colorado River water to portions of their service areas lying west of the Palos Verdes Hills.

Table 7. IMPORTED WATER

Source	Imported		in acre-feet
5041 00	Import sed	1969-70	1970-71
Central Basin Ground	Dominguez Water Corporation	3,962	4,006
MO DET	Southern California Water Company	1,000	747
		4,962	4.75
Central Basin Ground Water and Colorado River Water	City of Long Beach	32,463	29,52
Colorado River Water	City of Torrance	20,388	20,339
	West Basin Municipal Water Diatrict		
	California Water Service Company	11,932	11,724
	Dominguez Water Corporation	17,017	18,304
	El Segundo, City of	20,751	18,206
	Hawthorne, City of	3,966	3,395
	Inglewood, City of	9,286	8,494
4 100	Los Angeles County Waterworks, District No. 13	2,593	2,451
	Los Angeles County Waterworks, District Ro. 22	1,685	1,448
	Manhattan Beach, City of	6,077	6,264
	Palos Verdes Water Company	15,360	15,038
	Southern California Water Company	22,228	22,012
	Los Angeles County Flood Control District	29,461*	32,085*
		160,744	159,76
Owens River-Mono Basin Water and Colorado			
River Water	Los Angeles, City of	58,844	57,85
	TOTAL-ALL SOURCES	257,013	251,88

^{*}Delivered to Los Angeles County Flood Control District by the City of El Segundo for use in the West Coast Basin Barrier Project.

IV. ADMINISTRATION OF THE JUDGMENT

The West Coast Basin Judgment was a logical step toward preserving the usefulness of a valuable resource. It provides a flexible tool to limit extractions and still allow a beneficial use of the ground water supply. However, the restrictions on extractions imposed by the Judgment forces the parties to look for other supplies. Fortunately, these are available. If they were not, the rapidly increasing demand for water might literally bankrupt the basin before other management techniques could be developed.

Exchange Pool

The Court and parties foresaw that adjudicating water rights and limiting total extractions within the basin would not be satisfactory to all parties. As a consequence, Paragraph VII of the Judgment authorized a water Exchange Pool to provide additional water rights to members without supplementary water. Membership in the Exchange Pool is voluntary, and any party can join by filing an "Intention to be Bound by Paragraph VII of the Judgment"

Table 8. EXCHANGE POOL OFFERS

	Amount, in	Amount, in acre-feet		Charge for	
Party	Offered	Released	Price, per acre-foot	exchange water	
Mandatory Offers					
L. A. County Waterworks					
District No. 13	220,00	220,00	\$ 11.00	\$ 2,420.00	
Phillips Petroleum				3 883	
Company	161.00	161.00	11.00	1,771.00	
Ballman, Frank A.	2.00	7.00	12.00	84 . CK	
and Rosemary	7.00	7.00	12.00	04.01	
Gillingham, Florence	2.40	2.40	12.00	28,80	
et al. U.S. Steel Corporation	300.00	160.60	22.00	3,533.20	
Stauffer Chemical	118.00	0	6c.98ª	3,7,3,	
Stediter Chemical	220100				
TOTALS	808,40	551.00		\$ 7,837.00	
Voluntary Offers					
Celifornia Neter					
Service Company	1,000.00		\$ 35.30		
Fletcher Oil &					
Refining Company	25.00		25.60 11.00		
A. Lermens	.70		11,00		
TOTAL	1,025.70				

m/ Cost masuming all of the offered water was sold.

with the Water-master and the Court. Recipients of exchange water may pump the amounts released to them in addition to their Adjudicated Right. Releases are limited by the Judgment. Tables 8 and 9 summarize 1970-71 Exchange Pool transactions.

Once each July the Watermaster opens the Exchange Pool to permit the intermember exchange of water rights. The Pool is in operation when the Watermaster asks each member to estimate his water requirement and supply for the next water year. If a member has supplemental water in addition to his Adjudicated Right and if his total supply exceeds his extimated requirement, he must make a Mandatory Offer to lease a portion of his pumping right equal to the difference between his Adjudicated Right and half his estimated requirement. Under no circumstance, however, can the Mandatory Offer and the estimated requirement together exceed the total supply. This limits the Mandatory Offer to an amount which can be replaced with supplemental water.

Another type of offer is called the Voluntary Offer. Any member may volun-

Table 9. EXCHANGE POOL REQUESTS

Party	Amount of water received, in acre-feet	Cost of a exchange water
ABC Mursery, Incorporated	9.00	\$ 128.01
Chardlers Palos Verdes		
Sand and Gravel Company	146,00	2.076.59
Desser Enterprises	2.00	28.45
Hillside Memorial Park	37.00	526.2€
Inose, Kenichi	14.00	199.13
Ishibashi, Aki	40.00	568.93
Mayflower Nursery	4.00	56.89
Otani, Chisato	20.00	284.46
Park Water Company	164.00	2,332.61
Roman Catholic Archbishop		
of Los Angeles	58.00	824.95
Union Mursery, Incor-		
porated	10.00	142.23
Ziegler, Maxwell T.	47,00	668.49
TOTALS	551.00	\$ 7,837.00

a/ Cost at \$14.2232 per acre-foot.

tarily offer pumping rights to the Exchange Pool if his water supply exceeds his estimated requirement and he has no supplemental supply. However, the Watermaster must allocate all Mandatory Offers before using the Voluntary Offers. Voluntary Offers have not been used for several years.

The charge for a Mandatory Offer cannot exceed the cost per acre-foot of replacement water; the charge for a Voluntary Offer cannot exceed the price per acre-foot charged by the West Basin Municipal Water District for imported water. The Watermaster determines the amount of water needed and computes the average price to be paid.

If a member's estimated water requirement exceeds his total water right, including leases, and he has no supplemental supply, the difference may be requested from the Exchange Pool. The cost per acre-foot is the weighted average price per acre-foot of all offers required to meet requests.

Transfers of Adjudicated Rights

The West Coast Basin Exchange Pool is not the only method of obtaining additional pumping rights. Each year there are several lease and sale transactions between parties. Table 10 lists all leases, sales, parties, and amounts involved. Appendix A contains a copy of the document substantiating each transfer.

Appendix A also contains samples of our recommended lease and sale agreements. Most of the documents received by the Watermaster are unnecessarily complex. The Watermaster recommends that all documents be prepared on 8-1/2 x ll-inch paper. Any necessary additions to the recommended agreement may be attached to another page. You need not use these sample documents, but they are sufficient for most purposes.

The "General Information, Policies and Procedures" of the Watermaster Service

in the West Coast Basin is being revised to read as follows:

"In order that a water right lease be in force (applicable) during a particular water year, it must have been executed by the parties involved before or prior to September 1 of the water year in question. In addition, the executed water right lease document should be filed with the Watermaster no later than August 31 or postmarked August 31 of the water year in question. Any otherwise valid agreement not filed with the Watermaster prior to September 1 of the water year in question will be void and of no force or effect for the transfer of water rights."

Overextractions

Each year some parties extract more ground water from the West Coast Basin than they are entitled to. The over-extractions are usually small, occurring within the tolerance set by the Judgment. The Judgment allows each party to overextract by 2 acre-feet, or by 10 percent of its Adjudicated Right, whichever is larger, on the premise that the overextraction will be eliminated during the following year.

Most overextractions are the result of an unexpected increase in water demand. Therefore, allowing some deviations from the limits and guidelines of the Judgment is considered a reasonable solution.

Table 11 summarizes all overextractions taken during the 1970-71 water year. Of the nine parties overextracting ground water, five exceeded the limit imposed by the Judgment. All five bought Exchange Pool water for the 1971-72 water year to cover their overextractions and to meet their 1971-72 water needs. One party is a farmer having a zero water right and no supplemental water source. To meet his water

Table 10. TRANSFERS OF ADJUDICATED RIGHTS

Party		ion and Amou acre-feet	int,	: Party
American Plant Growers, Incorporated	leased	20.00	from	California Water Service Company
Asahi Fancy Koi, Incorporated	11	12.10	**	Engelsma, Jake
Associated Southern Investment Company	sold	46.70	to	Southern California Edison Company
Atlantic Richfield Company	leased	1000.00	from	Dominguez Water Corporation
n n	17	900.00	**	El Segundo, City of
"	27	1100.00	"	Manhattan Beach, City of
71	IT	3100.00 800.00	*1	Standard Oil Company of California Union Oil Company of California
California Water Service Company	11	20,00	to	American Plant Growers, Incorporated
Carson-Madrona Company	11	104.00	**	Dominguez Water Corporation
Columbia Broadcasting System, Incorporated	11	9.50	11	Dominguez Water Corporation
Dominguez Water Corporation	**	1000.00	11	Atlantic Richfield Company
"	Pt II	104.00	from	Carson-Madrona Company
н	"	9.50	11	Columbia Broadcasting System, Incorporated
n n	u u	8.20	17	Etchemendy, Caroline, Estate of
и	11	5.50 52.91	11	Lagerlof, Stanley C. Loyola University of Los Angeles
**	U	148.00	to	Mobil Oil Corporation
11	ti	350.00	from	Pico County Water District
n n		39.50	11	Santa Fe Land Improvement Company
n	"	20,00	11	Watson Land Company
1 Segundo, City of	H	900.00	to	Atlantic Richfield Company
ingelsma, Jake	п	12.10	to	Asahi Fancy Koi, Incorporated
tchemendy, Caroline, Estate of	"	8,20	11	Dominguez Water Corporation
conzales, Felipe	£1	34.30	41	Texaco, Incorporated
Inose, Kenichi	**	2,20	from	Rehor, Josephine P.
agerlof, Stanley C.	71	5.50	to	Dominguez Water Corporation
os Angeles, City of	"	1000.00	from	Los Angeles County Waterworks District No.
os Angeles County Waterworks District No. 13	"	1000,00	to	Los Angeles, City of
oyola University of Los Angeles	"	52.91	31	Dominguez Water Corporation
Manhattan Beach, City of	**	1100.00	11	Atlantic Richfield Company
Mobil Oil Corporation	11	1500.00	from	Standard Oil Company of California Dominguez Water Corporation
Otani, Chisato	**	31.70	**	Southern California Edison Company
Palos Verdes Water Company		999.00	to	Texaco, Incorporated
No. County Liston District		350.00	11	Deminuer Water Corporation
Pico County Water District	н	350.00	11	Dominguez Water Corporation Stauffer Chemical Company
**	11	380.00	from	United States Steel Corporation
dehor, Josephine P.	"	2.20	to	Inose, Kenichi
anta Fe Land Improvement Company	11	39,50	н	Dominguez Water Corporation
Southern California Edison Company	purchased leased	46.70 31.70	from to	Associated Southern Investment Company Otani, Chisato
Standard Oil Company of California	11 U	3100.00 1500.00	11	Atlantic Richfield Company Mobil Oil Corporation
Stauffer Chemical Company	U	30.00	from	Pico County Water District
Pexaco, Incorporated	U 17	34.30 999.00	11	Gonzales, Felipe Palos Verdes Water Company
Union Cil Company of California	U	800.00	to	Atlantic Richfield Company
United States Steel Corporation	**	380.00	to	Pico County Water District
Natson Land Company	11	20.00	to	Domingeuz Water Corporation
		26		

-35-

demands he purchases Exchange Pool water each year.

In view of the difficulty of estimating water needs one year in advance, all the parties concerned either have purchased Exchange Pool water or have

been advised by the Watermaster to lease water rights for the 1971-72 water year. The Watermaster recommends that no court action be taken at this time toward the parties exceeding the limit.

Table 11. OVEREXTRACTIONS In acre-feet

Party	: (1) : : Adjudicated : Right ^a :	: (2) : : : Allowable b/: Extractions : :	(3) Amount Pumped	: (4) : : Overextraction : : (2)-(3)=(4)	: (5) : Allowable : Overextraction c/	(6) Overextraction in percent of Adjudicated Right (4):(1)7100=(6)
ABC Nursery, Incorporated American Plant Growers, Incorporated Inose, Kenichi Ishibashi, Aki Park Water Company Torrance, City of Union Nursery, Incorporated Union Cil Company of California Watson Land Company Totals	22.10 30.00 7.60 0.00 160.00 3,804.73 4.70 2,670.00 60.20	26.66 26.58 15.68 23.94 299.19 3,772.00 15.31 1,883.90 51.17	35.67 29.89 18.06 29.37 306.38 3,780.95 17.93 1,930.35 53.17	- 9.01 d/ - 3.31 d/ - 2.38 d/ - 5.43 d/ - 7.19 - 8.95 - 2.62 d/ - 46.45 - 2.00	2.21 3.00 2.00 2.00 16.00 380.47 2.00 267.00 6.02	40.77 11.03 31.32 4.49 0.24 55.74 1.74 3.32

a/ Includes water right leases. b/ See column (5) of Table 4 for derivation. c/ Computed as 2 acre-feet or 10 percent of Adjudicated Right $_$ Column (1) $_$ whichever is larger. d/ In violation of Judgment.

V. ADMINISTRATIVE COSTS

Expenses incurred in administering watermaster service areas are payable one-half by the State and one-half by the parties. To obtain the funds required for watermaster service, the Watermaster prepares a tentative budget each year stating the anticipated expense for administering the provisions of the Judgment. A copy of the tentative budget is mailed to each of the parties at least 60 days before the beginning of each water year. If no objections are received within 15 days after service of the tentative budget, it becomes the final budget.

The 1970-71 tentative budget, which was mailed on July 31, 1970, received no objections and became the final budget on August 15, 1970. The final approved budget is presented in Table 12.

The administrative cost chargeable to each party is in proportion to its "Adjudicated Right" and is payable on or prior to the first day of the water year. A five percent penalty is added if charges become delinquent. A total of \$1.98 was collected in penalties for delayed payments. Apportionment of the parties share of the budget for the 1970-71 water year is set forth in Table 13.

Income and expenditures for water-master service during the 1970-71 water year are shown in Table 14. Any credit or debit balance is carried forward into the succeeding water year. The parties' share of the 1970-71 carry-over amounts to \$2,783.69.

TABLE 12

APPROVED BUDGET FOR 1970-71

Salaries and wages Operating expenses	\$28,245 12,187			
TOTAL BUDGET		\$40,432		
One-half payable by State			\$20,216	
One-half payable by parties Less carryover from 1969-70			\$20,216 - 7,216	
TOTAL AMOUNT TO BE BILLED				\$13,000

Table 13. APPORTIONMENT OF PARTIES' SHARE OF 1970-71 BUDGET

Party	: Adjudicated : Right, : in acre-feet	Apportionment
ABC Mursery, Incorporated American Plant Growers, Incorporated Asahi Fancy Koi, Incorporated Associated Southern Investment Company Atlantic Richfield Company	22.10 10.00 2.00 46.70 4,428.00	\$ 4.46 <u>a</u> / 2.02 <u>a</u> / 0.40 9.42 892.89
Ballman, Frank A., Estate of California Water Service Company Carson-Madrona Company Chandler's Palos Verdes Sand and Gravel Corp. Coast Forest Products	7.00 3,071.00 104.00 294.20 3.40	1.41 ^a / 619.26 20.97 ^c / 59.32 0.69 ^a /
Columbia Broadcasting System, Incorporated Curtis, Owen W. Delaney, Golda, Estate of Desser Enterprises Dominguez Water Corporation	9.50 0.36 4.10 0.00 10,150.65	1.92 <u>a</u> / 0.07 <u>a</u> / 0.83 <u>a</u> / 0.00 <u>a</u> / 2,046.85
El Segundo, City of Engelsma, Jake Etchemendy, Caroline, Estate of Fletcher Oil and Refining Company Fujimoto, Samuel R. and Raymond S.	953.00 12.10 8.20 86.30 20.00	192.17 2.44a/ 1.65a/ 17.40 4.03
Gillingham, Florence R., et al. Gonzales, Felipe Grant, John, Estate of Harris Tube, Incorporated Hawthorne, City of	2.40 34.30 49.00 0.70 1,882.00	0.48 ^a / 6.92 11.90 0.14 ^a / 379.50
Hillside Memorial Park Hollywood Turf Club Industrial Chemical Division - Allied Chemical Corporation	29.20 282.00	5.89 ^c / 56.86
Inglewood, City of Inose, Kenichi	255.00 4,385.17 5.40	51.42 884.26 1.09
Ishibashi, Aki Johns-Manville Products Corporation Joughin Torrance Ranch Jungquist, Fred A. D Lagerlof, Stanley C.	0.00 881.00 20.25 <u>e</u> / 3.70 3.50	0.00 ^a / 177.65 4.08 0.75 ^a / 0.71 ^a /
Lermens, Alfred Leuzinger, Emma L. Long Beach, City of Lopes, Frank Los Angeles, City of	0.70 1.40 0.70 3.70 1,503.00	0.14 <u>8</u> / 0.28 <u>a</u> / 0.14 <u>8</u> / 0.75 <u>a</u> / 303.08
Los Angeles County - Alondra Park Los Angeles County Sanitation District No. 2 Los Angeles County Waterworks District No. 13 Los Angeles County Waterworks District No. 22 Los Angeles County-Western Avenue Golf Course	67.70 102.00 1,352.00 551.00 296.00	13.65 20.57 272.63 111.11 59.69

APPORTIONMENT OF PARTIES' SHARE OF 1970-71 BUDGET (continued)

Party	: Adjudicated : Right, : ; in acre-feet :	Apportionment Paid
Loyola University of Los Angeles	48.10	9.70 ^c /
Manhattan Beach, City of	1,131.20	228.10 _a /
Mayflower Nurseries	0.00	0.00-,
McDonnell Douglas Corporation	1.70	0.34ª
Mobil Oil Corporation	2,570.00	518.23
Moran, Ronald E.b/	9.00	1.81 <u>a/</u>
Mori, Roy H. and Kenji	5.60	1.13ª/
Northrop Corporation, Aircraft Division	38.15	7.69
Otani, Chisato	0.00	0.00ª
Pacific Crest Cemetery Company	39.40	7.94
Pacific Crest Cemetery Company	39.40	
Palos Verdes Begonia Farm	0.00	0.00ª/
Palos Verdes Water Company	999.00	201.45
Park Water Company	160.00	32.26
Phillips Petroleum Company	167.00	33.68 0.44 <u>a</u> /
Rehor, Josephine P.	2.20	0.442
Rockwell, Michael L.	0.10	0.028/
Roman Catholic Archbishop of Los Angeles	72.30	14.58c
Santa Fe Land Improvement Company	39.50	7 07
Sheets, Esther M.	5.50	1.11 <u>a</u> /
Shell Oil Company	4,516.00	910.64
Shinoda Brothers, Incorporated	22.50	4.54
Southern California Edison Company	10.40	2.10ª
Southern California Water Company	6.548.64	1,320.52
Spanish American Institute	44.40	8.95
Sparkletts Drinking Water Corporation	152.60	30.77
0.0110.011	4,601.30	927.84
Standard Oil Company of California	521.00	105.06
Stauffer Chemical Company	26.40	5.32
Superior Oil Company	3,432.00	692.05
Texaco, Incorporated		765.40
Torrance, City of	3 ,7 95.73	,
Union Nursery, Incorporated	4.70	0.95ª/
Union Oil Company of California	2,670.00	538.40
United States Steel Corporation	1,791.00	361.15
Watson Land Company	80.20	16.17 _a /
Wiseburn School District	8.20	1.65ª/
Ziegler, Maxwell T.	0.00	0.00
TOTALS	64,468.25	12,999.85ª/

a/ Payment waived on apportionment of less than \$ 3.00 in accordance with Section 13943.5 of the Government Code. A total of \$25.46 was waived in this manner.

b/ Was a party at the time of billing.

 $[\]underline{\text{c}}/$ Delayed payment, penalty assessed. A total of \$1.98 was collected in penalties.

e/ Owned total adjudicated right at the time of billing.

Table 14. 1970-71 INCOME AND EXPENDITURES

Item	: Par	ties	: St	ate	: Parties	and State
Income						
From 1970-71 budget Balance from 1969-70 From budget penalties	\$12,974.39 10,944.72 1.98		\$20,216.00		\$33,190.39 10,944.72 1.98	
TOTAL INCOME		\$23,921.09		\$20,216.00		\$44,137.09
Expenditures						
Salaries and wages	\$15,649.31		\$15,649.31		\$31,298.62	
Operating expenses Miscellaneous indirect cost Travel in State Printing annual report Electronic machine computing Other Other	3,368.61 76.57 296.70 1,383.18 363.03		3,368.61 76.58 296.70 1,383.18 363.02		6,737.22 153.15 593.40 2,766.36 726.05	
TOTAL EXPENDITURES		\$21,137.40		\$21,137.40		\$42,274.80
BALANCE		\$ 2,783.69°	/	\$- 921.40		\$ 1,862.29

 $[\]underline{a}/$ Rent, utilities, auto rental, communications, retirement, employee's health plan, and workmen's compensation insurance.

b/ Equipment rental, mobile equipment operation, engineering contracts.
c/ Total credit to parties in 1971-72 water year, subject to delayed charges or credits.

APPENDIX A

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES SEPTEMBER 1971

AND

COPIES OF DOCUMENTS SUBSTANTIATING TRANSFERS OF ADJUDICATED RIGHT

APPENDIX A TABLE OF CONTENTS

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Adjudicated Right of West Coast Basin September 1971	Parties	44
Copies of Documents Substantiating Tr	ansfer of Adjudicated Right	58
Party	Agreement with	
American Plant Growers, Incorporated	California Water Service Company	58
Asahi Fancy Koi, Incorporated	Engelsma, Jake (See 1969-70 report)	
Atlantic Richfield Company	Dominguez Water Corporation El Segundo, City of	58 59 59 60
Dominguez Water Corporation	Carson-Madrona Company Columbia Broadcasting System, Inc. Etchemendy, Caroline, Estate of Lagerlof, Stanley C. Loyola University of Los Angeles Pico County Water District Santa Fe Land Improvement Company Watson Land Company.	60 61 61 62 62 63 63 64
Inose, Kenichi	Rehor, Josephine P. (See 1966-67 report)	
Los Angeles, City of	Los Angeles County Waterworks, District No. 13	64
Mobil Oil Corporation	Dominguez Water Corporation Standard Oil Company of California	64 65
Otani, Chisato	Southern California Edison Company	66
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<u>Party</u>	Agreement with	Page
Stauffer Chemical Company	Pico County Water District	68
Texaco, Incorporated	Gonzales, Felipe and Gabriela (See 1966-67 report) Palos Verdes Water Company (See 1969-70 report)	
Suggested Samples of Documents for Tr	ansferring Water Rights	68

Party		Adjudicated Right, in acre-feet per year
*ABC Nursery, Incorporated		
Successor to Sidney R. and Charlotte W. Title Successor to Keith W. and Opal B. Schlaegel Successor to William and Clara R. Verburg Successor to Harry C. Jenkins	13.60 6.70 1.80	00.40
	1.00	22.10
Abell, Frank Sold to City of Inglewood	- <u>1.80</u>	0.00
Alcast Foundry, et al.	7.00	
Successor to Chas. L. Draper, et al. Sold to City of Torrance	7.20 - <u>7.20</u>	0.00
Alwag, Hilario S. and Emma		
Successor to T. C. Navarro	53.90 5.50	
Successor to Peggy Swick Sold to Torrance Unified School District	- <u>59.40</u>	0.00
*American Plant Growers, Incorporated Second West Coast Basin Judgment	2.60	
Successor to Ben Cluff Dairy Successor to Emily and Edward Cost	7.40	10.00
Anderson, Reinbert C. Sold to Sparkletts Drinking Water Corporation	80.50 - 80.50	0,00
Asahi Fancy Koi, Incorporated Successor in part to Jake Engelsma	2.00	2.00
Associated Southern Investment Company (formerly Edison Securities Company)	46.70	
Sold to Southern California Edison Company	- 46.70	0.00
Atlantic Richfield Company (formerly Richfield Oil Company)		4,428.00
Ballman, Rosemary N.		7.00
Bank of America National Trust and Savings Association (Trust BI-51) Released to Michael L. Rockwell	0.10 - 0.10	0.00
		0.00
Barclay, Richard and R. A. Watt Successors in part to Isabela J. Granz Estate Successor in part to Isabela J. Granz	13.55	
Successors to Emma J. Osborn Successor in part to Isabela J. Granz	32.66	
Successors in part to George R. Murdock Successor in part to Isabela J. Granz	13.75 - 59.96	
Sold to City of Torrence	00.00	0.00

(Continued) Adjudicated Right, Party in acre-feet per year Bauman, Gus A. 0.00 Transferred to Palos Verdes Begonia Farm Bego Corporation 4.10 Sold to Estate of Golda Delaney - 4.10 0.00 Burke, W. F. and Lois Price 9.50 Sold to H. S. Scott -9.500.00 Belvidere Mutual Water Company 33.40 Sold to City of Torrance -33,40 0.00 Boise Cascade Building Company Successor in Part to Joughin Torrance Ranch Successor in part to Isabela J. Granz 16.92 California, State of 1.00 Successor to Robert L. Fullilove 16.30 Successor in part to Kelly Pipe Company 2.20 Successor to Joe Moniz Jr. 4.00 Successor in part to Flavio Rodriguez 2.60 Successor in part to A. H. Smith, Sam Surber and Freda Smith Sold to Sparkletts Drinking Water Corporation -26.100.00 *California Water Service Company 3.071,00 Carson Estate Company 130.00 -130.00Sold to Dominguez Water Corporation 0.00 *Carson-Madrona Company 104.00 Successor to Chanslor-Western Oil and Development Co. *Chandler's Palos Verdes Sand and Gravel Corporation 15.00 Successor to Southwestern Portland Cement Company 95.20 Second West Coast Basin Judgment Successor to Torrance Sand and Gravel Corporation Successor to Western Investment Company 184.00 294.20 Chanslor-Western Oil and Development Company 104.00 (Formerly Chanslor-Canfield Midway Oil Company) Sold to Carson-Madrona Company -104 00 0.00 0.02 Christie, Clem; Don C. Fohl and Leon Larson

0.02

0.00

(Trustees of Wilmington Cemetery Association)

Abandoned

(Continued)

Party		Adjudicated Right, in acre-feet per year
Cluff, Ben Dairy		
Successor to Edward and Emily Cost	7,40	
Sold to American Plant Growers, Inc.	- 7.40	
		0.00
0		0.00
Coast Forest Products		
Successor to Southwest Steel Rolling Mills		
Successor to A. K. Wilson Lumber Company, a corporation		3.40
Callister, Cameron	136.82	
Quitclaimed to Normandie Park	-136.82	
	130.02	0.00
		0.00
Columbia Broadcasting System, Inc.	18.50	
Sold to Ronald E. Moran	- 9.00	
		9.50
Cont. Ed. J. J. S. S.		0.00
Cost, Edward and Emily	7.40	
Sold to Ben Cluff Dairy	7.40	
		0.00
Curtis, Owen W.	3.80	
Sold to Southern California Water Company	- 3.44	
The state of the s	- 3,44	
		0.36
Del Amo Estate Company	121,00	
Sold to Dominguez Water Corporation	-121.00	
	121.00	0.00
		0.00
Delaney, Golda, Estate of		
(Formerly Arthur J. Delaney)		
Successor to Bego Corporation		4.10
*Deser Februari		
*Desser Enterprises		
Second West Coast Basin Judgment		0.00
Dominguez Estate Company	254.00	
Sold to Dominguez Water Corporation	-254.00 -254.00	
o constant	-234.00	
		0.00
*Dominguez Water Corporation	9,477.80	
Successor to Carson Estate Company	130.00	
Successor to Don Wilson Builders		
Successors to Isamu, Kazuo and Yoshiki R. Kita		
Successors to Lathrop M. Ellinwood	32.60	
Successor to Del Amo Estate Company	121.00	
Successor to Dominguez Estate Company Successor in part to H. J. Early	254.00	
Successor in part to H. J. Early Successor to Jeanette R. Haydenbeck	91.00	
(formerly Jeanette R, Reifsnyder)	0.70	
Successor to Kikuno Nakano, et al.	19.30	
Successor to R. A. Watt, Incorporated	.0.00	

(Continued)

Party		Adjudicated Right, in acre-feet per year
*Dominguez Water Corporation (continued)		
Successor in part to Joughin Torrance Ranch		
Successor in part to Isabela J. Granz	55.35	
Successor to Ned Ewing, et al.		
Successor in part to Isabela J. Granz Estate Successor in part to Isabela J. Granz	6.50	
Sold to Watson Land Company	- 37.60	
D W1 D 11		10,150.65
Don Wilson Builders Successors to Kasuo Isamu and Yoshiki R. Kita		
Successors to Lathrop M. Ellinwood	32.60	
Sold to Dominguez Water Corporation	- 32.60	
		0.00
Douglas Aircraft Company, Incorporated (See McDonnel Douglas Corp.)		
Draper, Charles L.	7.20	
Sold to Alcast Foundry, et al.	- 7.20	
		0.00
Early, H. J. and Daisy	111.00 - 91.00	
Sold to Dominguez Water Corporation Sold to Samuel R. and Raymond S. Fujimoto	- 20.00	
Sold to Samuel N. and naymond S. Fujimoto	20.00	0.00
		0.00
Edison Securities Company (Now known as Associated Southern Investment Company)		
Ellinwood, Lathrop M.	32.60	
Sold to Isamu, Kasuo and Yoshiki R. Kita	<u> </u>	0.00
		0.00
		050.00
*El Segundo, City of		953.00
Engelsma, Jake		
Successor to Wilbur Hornstra	14.10 - 2.00	12.10
Sold to Asahi Fancy Koi, Incorporated Etchmendy, Caroline, Estate of	- 2.00	8.20
Etclineday, Caronne, Estate or		0.20
Ewing, Carmelita Rosecrans	91.30	
Sold to Southern California Water Company	_ 91.30	
		0.00
Ewing, Ned et al.		
Successor in part to Isabel J. Granz Estate	6.50	
Sold to R. A. Watt, Incorporated	6.50	
		0.00

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES SEPTEMBER 1971 (Continued)

Party		Adjudicated Right, in acre-feet per year
Flesh, Leslie R. and Andor Pasternak, et al. Successors to Alfred D. and Ruth Seaback Sold to Stanley C. Lagerlof	3.50 - 3.50	
* Fletcher Oil and Refining Company (formerly Fletcher Dil Company)		0.00 86.30
Fletcher, Robert G., Daniel S., and Wilfred O. Successor to Fred A. Jungquist (formerly Kathenne P. Woodman Jungquist)		3.70
Frogge, W. J. Sold to Sigmund S. and Lionel S. Hockwald	12.50 12.50	0.00
Fukuwa, Herbert Sakaye Doing business as Mayflower Nurseries		0.00
Fullilove, Robert L. Sold to State of California	1.00 - 1.00	0.00
Fujimoto, Samuel R. and Raymond S. Successor in part to H. J. and Daisy Early		20.00
Gerahue Land Company Successor and Assignee for A. S. Johnston Drilling Company Abandoned Water Right	11.90 - 11.90	0.00
*Gillingham, Florence R., et al.		2,40
*Gonzalez, Felipe and Gabriela		34.30
Grand Land Company Successor in part to Smith, A. H. (Sam Surber and Freda Smith) Abandoned Water Rights 1961 -62	5.70 - 5.70	0.00
*Grant, John, Estate of		59.00
Granz, Isabela J. (Per Judgment) Part troped to herrs	380.00	
Joughin Torrance Ranch Isahela J. Granz Estate Emma J. Osborn George R. Murdock Subject to long term legse	- 212.42 - 33.80 - 32.66 - 15.12	
Standard Oil Company of California Superior Oil Company	(59.60)	86.00
		00.00

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES SEPTEMBER 1971 (Continued)

Party		Adjudicated Right, in acre-feet per year
Granz, Isabela J., Estate of Successor in part to Isabela I. Granz Sold in part to Ned Ewing, et al. Sold in part to R. A. Watt, Incorporated Sold in part to Richard Barclay and R. A. Watt	33.80 - 6.50 - 13.75 - 13.55	0.00
* Harris, R. and L. Successor to Lawrence I. Liston Disclaimed Water Right	0.70 - 0.70	0.00
*Harris Tube, Incorporated Successor in part to 8, Robinson and Associates Successors in part to James K. Lawler's Estate Hawthorne, City of		0.70 1,882.00
Henderson, Beatrice M. Abandoned Water Right	1.30 - 1.30	0.00
Heydenbeck, Jeanette R. (Formerly Jeanette R. Reifsnyder) Sold to Dominguez Water Corporation	0.70 - 0.70	0.00
*Hillside Memorial Park Successor to Sigmund S. and Lionel S. Heckwald Successors to W. J. Frogge	16.70 12.50	29.20
Hockwald, Sigmund S. and Lionel S. Successor to W. J. Frogge Sold to Hillside Memorial Park	12.50 <u>– 12.50</u>	0.00
*Hollywood Turf Club		282.00
Hornstra, Wilbur Sold to Jake Engelsma	14.10 - 14.10	0.00
Hunt, Donald G. Successor to James Scanda Sold to Kenichi Inose	1.90 - 1.90	0.00
*Industrial Chemical Division, Allied Chemical Corporation (Formerly Allied Chemical Corporation, General Chemical Company)		255.00

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES SEPTEMBER 1971 (Continued)

Party		Adjudicated Right, in acre-feet per year
Inglewood, City of Successor to Frank Aboll Successor in part to George R. Murdock Successor in part to Isabela J. Granz	4,382.00 1.80 1.37	4,385.17
*Inose, Kenichi Successor to Donald G. Hunt Successor to James Scanda and George Nassur Successor to Thaxter, Ralph and Lors A. LeNoir	1.90 3.50	5.40
Isamu, Kasuo and Yoshiki R. Kita Successor to Lathiop M. Ellinwood Sold to Don Wilson Builders	32.60 - 32.60	o 00
*Ishibashi, Aki Successor to Alice M. Ueda, listed in Second West Coast Basin Judgment		0.00
Jenkins, Harry C. Successor to H. L. Perry Successor to Mrs. Zoranda Parke Said to ABC Nursury Incorporated *Johns-Manville Products Corporation	1 80 - 1.80	0.00 881.00
Johnson, C. F. Transferred to Kaoru and Satoru Wada	12.20 - 12.20	0.00
Johnston, A. S., Drilling Company Assigned to Gerahue Land Company	11.90 - 11.90	0.00
Jones, Anna Mae Sold to City of Torrance	50.20 - 50.20	0.00
Joughin Torrance Ranch Successor in part to Isabela J. Granz Sold in part to Normandie Park via Cameron Collister Sold in part to R. A. Watt, Incorporated Sold in part to Boise Cascade Building Company	212.42 - 136.82 - 55.35 - 16.92	
Jungquist, Fred A. (Formerly Katherine P. Woodman Jungquist) Sold to Robert G., Daniel S., and Wilfred D. Fletcher	3.70 - 3.70	3.33
Kahlert, et al Successor in part to Kelly Pipe Company Sold to Sparkletts Drinking Water Corporation	18.90 18.90	0.00

(Continued)

<u>Party</u>		Adjudicated Right, in acre-feet per year
Kelly Pipe Company Sold in part to State of California Sold in part to Kahlert, et al. Sold in part to Sparkletts Drinking Water Corporation	49.00 -16.30 -18.90 -13.80	
		0.00
Kurtz, Gladys Sold to Sparkletts Drinking Water Corporation	3.50 - 3.50	0.00
Lawler, James K. Sold to B. Robinson and Associates	3.10 - 3.10	
Lagerlof, Stanley C.		0.00
Successor to Leslie R. Flesh and Ander Pasternak, et. al		3.50
*Lermens, Altred		0.70
Leuzinger, Emma L.		1.40
Liston, Lawrence Sold to R. and L. Harris	0.70 - 0.70	
		0.00
Long Beach, City of		0.70
Lopes, Frank		3.70
Los Angeles, City of		1,503.00
*Los Angeles County-Alondra Park Successor to Los Angeles County Flood Control District Successor in part to A. H. Smith and Sam Serber, et al.	28.70 37.60 1.40	
		67.70
Los Angeles County Flood Control District Successor in part to A. H. Smith, et al Sold to Los Angeles County — Alondra Park	37.60 1.40 - 39.00	
300 to Eos Angeles County — Albitura Park	00100	0.00
*Los Angeles County Sanitation District No. 2		102.00
*Los Angeles County Waterworks District No. 13		1,352.00
*Los Angeles County Waterworks District No. 22		551.00
*Los Angeles County—Western Avenue Golf Course Second West Coast Basin Judgment listed as Board of Retirement of the Los Angeles County Employees Retirement System.		296.00
*Loyola University of Los Angeles		48.10

(Continued)

Adjudicated Right,

Party		in acre-feet per year
		1,131.20
*Manhattan Beach, City of *Mayflower Nurseries (See Herbert Sakaye Fukuwa)		0.00
McCandless, James Sold to Sparkletts Orinking Water Corporation	6.70 - 6.70	0.00
McDonnell Douglas Corporation (Formerly Douglas Aircraft Company, Incorporated) Lease from United States Navy Department Successor to Aluminum Company of America		1.70 2,570.00
Mobil Oil Corporation (Formerly Socony Mobil Oil Company) Moneta Mutual Water Company Sold to City of Torrance	916.00 -9 16.00	0.00
Moniz, Joe, Jr. Sold to State of California	2.20 - 2.20	0.00
Moran, Ronald E. Successor in part to Columbia Broadcasting System, Incorporated Sold to City of Torrance	9.00	0.00
*Mori, Roy H. and Kinji Second West Coast Basin Judgment		5.60
Murdock, George R. Successor in part to Isabela J. Granz Sold in part to R. Barclay and R. A. Watt Sold in part to City of Inglewood	15.12 - 13.75 - 1.37	0.00
Nakano, Kikuno, et al. Sold to Dominguez Water Corporation	19.30 _19.30	0.00
Navarro, T. C. Sold to Hilario S. and Emma Alweg	53.90 - <u>5</u> 3.90	0.00
Norair, A Division of Northrop Corporation (Formerly known as Northrop Aircraft, Inc.)		38.15
Normandie Park Successor to Joughin Torrance Ranch via Cameron Collister Successor in part to Isabela J. Granz Sold to City of Torrance	136.82 136.82	0.00

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES SEPTEMBER 1971 (Continued)

<u>Party</u>		Adjudicated Right, in acre-feet per year
Osborn, Emma J. Successor in part to Isabela J. Granz Sold to R. Barclay and R. A. Watt	32.66 -32.66	0.00
*Otani, Chisato		0.00
Pacific Crest Cemetery Company	17.70	0.00
Successor to H. S. Scott	9.50	
Successor to W. F. Burke Successor to Wada, Kaoru and Satoru		
Successor to C. F. Johnson	12.20	39.40
*Palos Verdes Begonia Farm Successor to Gus A. Bauman		0.00
*Palos Verdes Water Company		999.00
*Park Water Company		160.00
Parke, Zoraida Sold to H. L. Perry	1.80 - 1.80	0.00
Paschke, William Joseph Abandoned Water Right	0.02 - 0.02	0.00
Perry, H. L Successor to Zoraida Parke Sold to Harry C. Jenkins	1.80 - 1.80	0.00
*Phillips Petroleum Company (Formerly Tidewater Oil Company)		167.00
Rehor, Josephine P.		2.20
Reifsnyder, Jeanette R. (Now known as Jeanette R. Heydenbeck)		
Richfield Oil Corporation (Now known as Atlantic Richfield Company)		
Robinson, B., and Associates Successor to James K. Lawler Sold in part to Harris Tube, Incorporated Sold in part to Southern California Water Company	3.10 - 0.70 - 2.40	0.00
Poolwoll Michael I		
Rockwell, Michael L Successor to Bank of America National Trust and Savings Association (Trust B 1-51)		0.10

(Continued)

Party	in acre-feet per year
Sold to State of California	6.10 4.00 -2.10
*Roman Catholic Archbiship of Los Angeles (Holy Cross Cemetery)	72.30
	0.70 -0.70 0.00
	20, 20 20, 20 0, 00
*Santa Fe Land Improvement Company	39.50
	1.90
	0.00 13.60 13.60 0.00
Scott, H. S. Successor to W. F. Burke and Lois Price Quitclaimed to Pacific Crest Cemetery Company	9.50 9.50
	3.50 3.50 0.00
	0.70
*Sheets, Esther M. (Formerly Clyde L. Sheets)	5.50
*Shall Oil Company	4,516.00
*Shinoda Brothers, Incorporated Second West Coast Basin Judgment	22,50
Sold in part to L. A. Co. Flood Control District — Sold in part to State of California —	9.70 1.40 2.60 5.70
Sold III part to Grono Edita Company	0.00

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES SEPTEMBER 1971 (Continued)

Party		Adjudicated Right, in acre-feet per year
Socony Mobil Oil Company		
(See Mobil Oil Company)	10.40	
*Southern California Edison Company Successor to Associated Southern Investment Company	46.70	57.10
Southern California Water Company	6,265.30	
Successor in part to B. Robinson and Associates Successor in part to James K. Lawler's Estate	2.40	
Successor in part to Owen W. Curtis	3.44	
Successor to C. F. and W. S. Rosecrans listed as Carmelita Rosecrans Ewing	91.30	
Successor to Ryan Aeronautical Company	20.20	
Successor to Southern Pacific Company	166.00	
		6,548.64
Southern Pacific Company	166.00	
Sold to So. California Water Company	- 166.00	
		0.00
Southwest Steel Rolling Mills		
Successor to A. K. Wilson Lumber Company	3.40	
Sold to Coast Forest Products	3.40	
		0.00
Southwestern Portland Cement Company	15.00	
Sold to Chandler's Palos Verdes Sand & Gravel Corporation	- 15.00	
		0.00
Spanish American Institute		44.40
Sparkletts Drinking Water Corporation		
Successor to Rembert C. Anderson, et al.	80.50	
Successor to State of California		
Successor to: Robert L. Fulfilove	1.00	
Kelly Pipe Company (part only)	16.30	
Joe Moniz, Jr.	2.20	
Flavio Rodriguez (part only)	4.00	
A, H, Smith (Sam Surber and Freda Smith) (part only)	2.60	
Successor to Kahlert, et al. Successors in part to Kelly Pipe Company	18.90	
Successor in part to Kerly Pipe Company	13.80	
Successor to Gladys Kurtz	3.50	
Successor to James McCandless	6.70	
Successor to Wechsler, B. A.		
Successor to Mates Tune, et al. Successors to Josephine Watkinson	3.10	
Successors to Josephine Watkinson		152.60
		102.00
*Standard Oil Company of California		4,541.70
*Stauffer Chemical Company .		521.00
Superior Oil Company		0.00
Swick, Peggy	5.50	
Sold to Hilario and Emma Alwag	- 5.50	
		0.00

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES SEPTEMBER 1971 (Continued)

Party		Adjudicated Right, in acre-feet per year
Texaco, Inc.		3,432.00
Thaxter, Ralph and Lois A. LeNoir	3.50	
Sold to Kenichi Inose	- 3.50	
		0.00
Titl. (C.)		0.00
Title, Sidney R. and Charlotte W.	13.60	
Successor to Keith W. and Opal B. Schlaegel Sold to ABC Nursery, Incorporated	-13.60	
Sold to Abe italsely, incorporated		0.00
		0.00
*Torrance, City of	2,519.00	
Successor to Alcast Foundry, et al		
Successor to Chas. L. Draper, et al.	7.20	
Successor to Richard Barclay and R. A. Watt	12 55	
Successors in part to Isabela J. Granz Estate	13.55 13.75	
Successors in part to George R. Murdock Successors to Emma Osborn	32.66	
(All three above are successors in part to Isabela J. Granz)	32.00	
Successor to Belvidere Mutual Water Company	33.40	
Successor to Anna Mae Jones	50.20	
Successor to Moneta Water Company	916.00	
Successor to Ronald E. Moran		
Successor in nart to Columbia Broadcastino System, Incorporated Successor to Normandie Park	9.00	
Successor in part to Joughin Torrance Ranch via Cameron Collister Successor in part to Isabela J. Granz	136.82	
Successor to Torrance Unified School District	130,62	
Successor to Hilario S, and Emma Alwag		
Successors to T. C. Navarro	53.90	
Successor to Peggy Swick	5.50	
Successor to R. A. Watt, Incorporated		
Successor in part to Isabela J. Granz Estate		
Successor in part to Isabela J. Granz	13.75	
		3,804.73
Torrance Sand and Gravel Corporation		
Successor to Weston Investment Company	184.00	
Sold to Chandler's Palos Verdes Sand and Gravel Corporation	- 184.00	
Sold to change 3 raiss verdes office and order corporation		0.00
		0.00
Torrance Unified School District		
Successor to Hilario S. and Emma Alwag		
Successor to Peggy Swick	59.40	
Sold to City of Torrance	_ 59.40	
		0.00
Toron Marine and all		
Tune, Mates, et al.	3.10	
Successor to Josephine Watkinson Sold to B. A. Wechsler	3.10	
Sold to 6, A, Wechstell		0.00
		0.00
*Union Nursery, Incorporated		4.70
Second West Coast Basin Judgment		1,10
*Union Oil Company of California		2,670.00

(Continued)

<u>Party</u>		Adjudicated Right, in acre-feet per year
*United States Steel Corporation	•	1,791.00
Verburg, William and Clara B. Sold to ABC Nursery, Incorporated	6.70 - 6.70	0.00
Wada, Kaoru and Satoru Transferred from C. F. Johnson Sold to Pacific Crest Cemetery Company	12.20 - 12.20	0.00
Watkinson, Josephine Sold to Mates Tune, et al.	3.10 - 3.10	
*Watson Land Company Successor in part to Dominguez Water Corporation	42.60 37.60	0.00 80.20
Watt, R. A., Incorporated Successor in part to Joughin Torrance Ranch Successor in part to Isabela J. Granz Successor to Ned Ewing, et al. Successor in part to Isabela J. Granz Estate Successor in part to Isabela J. Granz Sold to City of Torrance Sold to Dominguez Water Corporation	55,35 6.50 13.75 - 13.75 - 61.85	0.00
Wechsler, B. A. Successor to Mates Tune, et al Successor to Josephine Watkinson Sold to Sparkletts Drinking Water Corporation	3.10 - 3.10	0.00
Weston Investment Company Sold to Torrance Sand and Gravel Corporation	184.00 184.00	0.00
Wilson, A. K., Lumber Company Sold to Southwest Steel Rolling Mills	<u>3.40</u> <u>- 3.40</u>	0.00
*Wiseburn School District Woodman, Katherine P. (See Fred A. Jugguist)		8.20
*Ziegler, Maxwell T. Total		0.00

Members of "Exchange Pool" as of September 30, 1971, pursuant to paragraph VII of the Judgment.

COPIES OF DOCUMENTS SUBSTANTIATING TRANSFER OF ADJUDICATED RIGHT

WATER BELLH : TOFNSF AND ACREEMENT

For a valuable consideration, Outprose Lagrace training a California corporation, hereby grants to softening control considerations of the California composition, hereby grants to softening consideration of the California Californi

Said License to granted, subject to the Inliewing conditions

(1) Licensee shall searcise and right and extract the same on behalf of LALIPRANIA WITH CANCER COMPANY as the first unit. The same to beneficial war not licensee shall not by the restrict heart of beneficial war not licensee shall not by the restrict harounder of each right acquire any right to extract water independent of the tight of Licensee.

(2) Licenses shall pay assuraments levied on the pumple of said ground waters by the Central and West Samin bater replications District.

(3) Licenses shall notify the District and the Watermaster at California Water Service Company that asid pumping was done pursuant to this license and provide the Watermaster with .

(4) Licensee shall note, in any recording of water production for the pariod of agreement, that said numping was done pursuant

CALIFORNIA WATER SERVICE COMPANY warrants that it has at 20 acces-feet of Adjudicated Right and that it has not pushed and yet I make young of permit or licenar any other person to push any period (Asid 20 acces-feet during period of October 1, 1970 chrough September 30, 1971

Dated. /////

CALEFORNIA WATER SERVICE CONDAIN

RICAN PLANT GROWERS, 1

LEASE OF WATER RIGHTS

TO LEADS, used, and enforced one than 21th day of October 1970 by and between DOMINGLE, WATER CORFORATION, a California surportion of all and the state of the st

WITNESSETH

WHERGAD, Leasurise the sense of the right to annihily take produce and military from the ground exter basin in Lea Angues County. California commonly, oncon as the "Rest Coust Basin", approximately 10-150-65 a.rs. feet of water for year, and

 $\label{eq:whereast} WHEREAS, \ \mbox{Lesser desires to obtain 1, 000 acrs test of ground water}$ for use in its Watson Refinery, and

WHEREAS it is not possible for Lessor to deliver ground water to Lessee through existing distribution facilities.

NOW, THEREFORE, IT IS MUTUALLY AGREED BY AND BETWEEN

For and in consideration of the covariety and agreements become an emotioned Leaser does hereby sees ist him to and, during the term hereof execution is seen for the period beganning October 1, 1970, and terminating dependently 1971, 000 error first of Leaser's total right to withdraw and decids to beneficial uses maker from the West Could Beauth. Said its vest right to be earth until the control of the country of the coun

Lesses shall

. Pay to Lessor the sum of \$41,800 in twaive (12) equal monthly

paymer - \$1 1 1 (ber _ it the rate - \$4. 66 or ecre |

Pay to indicate the contract which Basin Water Replace

District any and accesses only loved by the District on the waters produced herwords by Leases

- 3. Reimbures Lessor (or any and all advalorem takes which may be sevied on the value of water rights leaved hereunder, which takes would not otherwise have been review excepting for this leave.
- Prepare and five all necessary reports and occuments in connection with the water rights Issaed harein, required by the Central and West Basin water Replanishment District, and furnish copies thereof to Lasser
- 5. Make all nocessary filing, with the blate water B give Blazer in connection with the waters produced by issues resembler, as provided in part 5 of Division 2 (Sections 449) at each of the Water Code of the State of Conferna as amanded, and prepare and file any and all other reports filings or the liss as may be required, during the term heraof, from time to time by proper authority in connection with the rights leased hereunder and furnish copies thereof to Lesser.
- o Prepare and file all other reports: documents and papers necessary for the preservation of Lesson's major rights hereby lessed, and furnish copies thereof to Lesson.

All notices bills demands or communications from one party to the ultrar fareundar shall be a writing, and a fail the otherned sufficiently served given an included objecting the same in the U. Lid States man undersead to the respective parties at U.c. addresses, been calculated after the or at such other addresses at their party from time to time may specify by writing notice.

This Leave and all of the rights and obligations herein contained, enall be binding upon and mure to the benefit of the respective successors and assigns of the parties hereto

--

This Lasse shall at all times be subject to such changes or modifications by the Public Utilities Commission of the State of California as said Commission may from time to time direct in the magness of its jurisdiction.

It is the understanding of the parties based that this Lease shall not become affective until the authorisation of the Public Utilities Commission of the State of California has been first obtained.

IN WITNESS WHEREOF, the parties have to have reused this Leave to be executed in several counterparts each of which shall be determed an original by their respective officers, duly authorised, and their corporate seals to be haraunto alliand, as of the day and year first above newelloand.

DOMINGUEZ WATER CORPORATION

By OMOguanan President

ATLANTIC BICHELD COMPANY

Dy / 111 /s.L L. N. COON, Vice President

(CORPORATE SEAL)

(CORPORATE SEAL)

Nell Coxer, Assistent Secretary

AGEEMANT OF LEASE AND TRANSED OF WATER BIGHTS
THIS AGEEMANT made and enrend time as of the final day of October,
1970, by and bereath no CITYO OF B. EGUINOO, a general leve city of the Settle
of California, haratenine returned as a "City", and ATLANTIC EICHTED COM-PANY, a Pensylvania composition, haratenine returned to a "Actionite Eidhfeld".
WILTER SESTER

That the parties hereto do mutually agree as follows

The City hereby lease and transfers to Atlantic Stchfald for and during a period of one (1) pero commencing with the dark hereof and continuing to and let-cluding Superwhoth 30, 1971, water lights consisting of the right convolly to pump nine hundred (100) care feer of water for and during said period from the West Coast Boats, being the aground water basis within the West Boats Water Replanishment Clarities, in the State of California.

Atlantic Richfield shall pay to City a rentel of Twenty Nine and No/100 Delien (\$29,00) per exter foot for the water rights leased and transferred hereunder.

Subject to the limited on hard nafter Ingested the held quartity of water which Alonder Elichfiels shall be writted to prop on a must of this reason of transfer for is nine hundred (700) acre fees and the total consideration therefor, computed on the basis of sixth rental of Treatry Nine and No/100 Collans (157,00) are are four, a Treatry Six Procured One Hundred Collans (152,00), and Alonder is provided in the procured One Hundred Collans (152,00), which shall be gold to City in health (2) equal morthly Intelliment of two Thousand One Hundred Senerally Fire and No/100 Collans (152,175,00) beginning on the Rifeworth day of November, 1770, and continuing on the Rifeworth day of November,

Norwithstanding the foregoing lease and transfer of City's water rights, it is mutually agreed between the parties that City may at any time without prior

-1-

notification or approval of Atlantic Briblinish, pump any portion of sold nine hundred (900) occ field where at only time that City determines that on evergetic requires the use of such worse by the City of El Segundo, Immadistrally following on such pumping by the City, City shall notify Atlantic Biblinish of the quantities pumped to their appropriate allocation nay be noted in report regulated by Iran.

City represents and warrants than It owns sold water rights leased and transferred hierarchies, and that City has a right to pump sold nine handerd (900) over least of water for and during sold period, and that City has the full right to lease and transfer to Allovic (slickfield sold water rights and the right to pump sold nine hundred (900) over her of water during sold period.

ATTEST.

Downer Ab 27rd day of November 1970,

CITY OF B. SECUNDO

Downer Ab 27rd day of November 1970,

ATTEST.

ATTANIC EICHFIELD COMMANY

DY LEC 1/2 GUJ 1

(SEAL)

MODIFIED AGREEMENT FOR

THIS AGBIFFHINT amends and modifies that certain agreement entered into on the 2nd day of April, 1965, by and between the CITY OF HABLITAIN SEABLE, hereinsfler referred to as "CITY" and ATLANTIC RICHERED COMPANY (former); hence as PickLield Oil Corporation), hereinsfler referred to as "ARCO. City and ARCO agree that the agreement of April 2, 1965 is serended and modified as follows.

Peragraph 2 of said agreement shall be modified to provide as follows

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"The tern of said agreement shall be extended for a period of sixteen (16) months or to January 31, 10°2, provided, however, City shall reverve the right to cancel said agreement upon giving sixty (00) days prior written notice to ADCO"

Paragraph 4 of said agreement shall be modified to provide as follows:

"During the extended term of this agreement, ABC's shall be permitted to pump at the rate of 91.86" acre feet per month, commoncing September 1, 1970."
Paragraph S of Saud agreement shall be modified to provide as follows

"Buring the extended term of said agreement the price to be paid to City shall be Twenty Nine (\$29.00) Pollars per acre foot."

Facept as specifically amended or modified herein, all
of the remaining terms and conditions of the agreement of
April 2, 1965 shall remain in full force and effect

IN AITMISS BHIRFOR, the City has by action of its
Lity Council authorized this agreement to be executed for and

on behalf of the City by its Mayor and attested by its City Clerk, and APCO has caused the same to be executed by its duly authorized officer.

Dated this 18th day of August, 1970.

EY 9. UL. 12 Holy ... 1.

ATTEST

ATTEST
HERMAN R BRANDT, City Clerk

By Deputy Deen

ATLANTIC RICHFIELD CUMPANY

By Andosh Its Vice-President

(CORPORATE SEAL) as

(SEAL)

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3.0

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A REDIGIT F LEASE AND TRANSFER F WATER RE HTS

STARMAD DIL COMMAY OF CALIFORIA, Vescers Operations, Inc., hereinsfer extended to as "STARMAD," break leave and transfers to ATMATIC RIGHTED COMMAN, hereinster referred to as "Allancia Enterfold," for and during the Sapather 30, 1911, hereinster referred to as "half pecial" water rights excessing of the right to pass citizey were holded (1000) are feet of vester that Command (1000) are feet of vester that

Atlantic Richfield shall pay to Standard a rental of Twenty-Nine Ballara (\$29.00) per acre foot for the water rights lessed and transferred hereunder.

The total quantity of water which Atlanti. Stillfield shall be entitled to pump as a result of this lease and transfer is thirty one hundred (3100) acres feet and a total consideration therefore, coupsel on the shall of said Rine Mondred Dollars (548, 500), which consideration shall he paid to Standard bollars (548, 500), which consideration shall he paid to Standard by Atlanti Stockield's due to one before October 30, 1971.

Atlantic Richfield shall pay all of the successions lavied by the Central and Wast Basin Replantsheent Discrets on all of said there one hundred (3100) acres feet of water, the rights to which are leased and transferred to Atlantic Bichfield hereunder, pumped by Atlantic Bichfield during said period.

Standard agrees not in pump water from said Mest Coast Seein during said period in a quantity which would reduce its water rights in the said Mest Coast Seein delow said inirty one hundred (3100) acre sero

Stundard represents and variants that it ome (and agree to indeedly Atlantic Bethfold against any claim by others of) sale sales right haved at transferred beautiful processes and transferred beautiful processes and transferred beautiful processes and the sales of white for a divintal sale service, and that Standard has the full right, without further authorities one supposal of any commencial substitution against, to leave and transfer to Atlantic Beachfard and water rights and the right to pusp said thirty one hondred (100) acre of or sure during said period).

Dated this 12 nd day of 1 feber , 1970.



84153.2

WATER RIGHTS LICENSE

For a valuable consideration, Union OIL COMPANY OF CALIFORNIA, a composition (Union), hereby grants to AILAPIC RICEPTELL CONNECT, company of the company, at all, see Company, at all, see City of Components, at all.

This license shall be subject to the following conditions

- Licensee shell esercise this ilcense and shell extrect the aforesaid 800 acre-feet of Adjudicated Right on shell put the seme to benaficial use and Licensee shell not by the searcise herundar of Union's right acquire of the searcise herundar of Union's right acquire of the searcise herundar of Union's right acquire of the searcise herundar of the right.
- Licensee shall keep and emintain accurate records of its ground water extractions made herunder and shall report the same to the Cantrai and Mest masin Neter Replanishment District, to the court-appointed Mesterseater, being the Department of Neter Neources of the State of California.
- Licensee shall notify the District and the Watermaster that much ground water estraction ses eeds pursuant to the provisions of this lirense agreement, a copy of which shall be provided to the Watermastar by Union.
- Licensee shell pay to the district all ground weter replentenment asssamments lavied by the District on the quantity of ground water estracted by Lirennee hereunder

Union warrants that it owns the aforesaid 800 acre-feet of Adjudiceted Right ead that the same has not been nor shell it be sattmated by Union or by any other party under authority granted by Union, daring the period beginning October 1, 1970 and ending September 30, 1971.

DATED: October 12, 1970

THIO OIL COMPANY OF CALIFORNIA

Fred N. Anderson, Director
Corporate Real Setate



LEASE OF WATER RIGHTS

THIS LEASE, made and restrict into a of the last day of October, 1970, by and bathean CARSON-MADRONA COMPANY, a partnership consisting of OULTOOD CLAZES and GREAT LAKES PROPERTIES, INC. a Delease corporation, of 2105 Newborns Boulerard, Torrance California Necessitäts referred to a "Lasses" and DomiNouez water Corporation. A california corporation, of 2105 Novo Alamada Streat, Long Basch, Citifornia 9010, Nervinafor referred to as "Lasses".

WITNESSETH

WHEREAS, Lesson is the owner of the right to annually take, produce and withdraw from the ground water basis in Lee Angelea County, Caufornia commonly known as the "West Coset Basis", approximately 104 acre lest of water oses water and

WHEREAS, Leaves deaves to avail itself of the rights of Leaver
within Wast Coast Basin during the water year anding September 30, 1971
and Leaver is using to allow Leaves to pump Leaver's water right within
Wast Coast Basin, in an amount of 104 acrs lest, during the 1972-71 water
year, anding September 30, 1971, subject to the terms and conditions hera-

NOW, THEREFORE, IT IS MUTUALLY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS

Per and in consideration of the covenants and agreement haramattur mentioned, Lisaar doss heraby lease. 1st, Nice to, and, during the term haram, assign to Lisaas for the water year October 1, 1970 through September 30, 1971, Lisaacri's right to withdraw from said Wast Coast Basin. 104 erze fest of water, togsther with Lisaacri's right to devote said water to

benaficial uses

Lasses shall:

- Pay to Lessor the sum of \$2,000,00 (being \$25.00 per acra foot of water leased and assigned hersunder). Said sum to be payable March 1. 1971.
- Pay directly to the Central and West Basin Water Replenishment
 District any and all pump assessments and enj and ell other charges levied on the waters produced hereunder by Lesses
- Pay all power costs and other production costs in connection with the production of the water referred to herein.
- 4 Prepare and fulls all nacessary reports and documents in connection with the water rights lessed herein, required by the Central and West Basin Water Replan(shment District).
- 5. Make the necessary filings with the State Water Rights Board, in connection with the water produced by Lesses hereworder, as provised the part 5 of Division 2 (Settlone 4999 at seq.) of the Water Code of the State of California, as amanded, and prepare and file any other reports. (Hings or the like as may be required, during the form hereof, from time to time by proper authority, in connection with the rights lessed hereunder.
- 5 Prapars, fils and furnish a copy to Lessor of all reports, documents and popars necessary and advisable for the preservation of Lessor's water rights hereby lessed, without cost to Lessor.

All notices bills, damands or communications from one party to the other harameter shall be in writing and shall be deemed sufficiently sarved, given or made, by depositing the same in the United States mail in any branch or main post office. In the State of California, postage prepaid, addressed to the respective party at the address haramabove and recitate hereof set forth or at such other address either party hereto may specify by written notice given to the other

This Lease, and all of the rights and obligations herein contained, shall bind and inure to the benefit of the respective successors and assigns of the pertise hereto.

IN WITNESS WHEREOF, the parties hereto have caused this Lesse to be executed in duplicate, each of which shall be deemed an original, by their respective afficers, duly authorized and their corporate series to be hereunto affixed, at Los Angeles, California, as of the day and year first

CARSON-MADRONA COMPANY

Resulted Silver of State of St

Great Lakes Properties Inc. , partner

(CORPORATE SEAL)

By Auch on The am confer y

Dominguez water corporation

(CORPORATE SEAL)

WATER RIGHT LICENSE AND AGREEMENT

For a valuable consideration, UNION BANN, TRUSTEE OF THE ESTATE OF CAROLING ETCHEMENOT, hereby grams to COMINGUEZ WATER OF CAROLING ETCHEMENOT, hereby grams to COMINGUEZ WATER OF CAROLING & TECHEMENOT CONTROL OF CAROLING & TECHEMENOT CAROLING & TECHEMENOT CONTROL BUILDING AND ADMINISTRATION OF CAROLING AND AD

Said License is granted, subject to the following conditions

(1) Licensee shall exercise said right and extract the same on behalf of UNION BANK, TRUSTEE OF THE ESTATE OF CAROLINE ETCHEMENOY during the pariod shove specified and put the same to beneficial use and licensee shall not be the exercise herounder of said right acquire any right to extract water independent of the rights of Licensor.

(2) Licensee shall pay assessments levied on the pumping of said ground waters by the Central and West Basin Water Replenishment District

(3) Licensee shall notify the District and the Watermaster that said pumping wes done pursuant to this license and provide the Wetermaster with a copy of this document.

(4) Licensee shall note, in any recording of water production for the period of agreement, that esid pumping wee done pursuant to this license.

UNION BANK. TRUSTER OF THE ESTATE OF CAROLINE ETCHEMENOY, warrants that It has 8 2 acrs feet of Adjudicated Right and that It has not pumped and will not pump or partner or license any other person to pump any part of said 6 2 acrs feet during the two annual terms commencing on October 1, 1970 through Sapenher 10, 1972

Darog Ly 23 1971

UNION BANK, TRUSTEE OF THE ESTATE OF CAROLINE ETCHEMENDY

DOMINGUEZ WATER CORPORATION

By I to a Ruble age

By Shuloy a Bates

WATER RIGHT LICENSE AND AGRECHENT

FOR & TALUBALE COMBIDEATION, COLUMBIA EMOADCASTING 33STEM, IRC. hereby genits to DOWLHOUZ MATER COMPRIATION, a linene to astrees 9.50 cert fest of Linenbor's Adjudicated Right allocated to Licensor (or predessesors in Interest) under and pursuant to Judgment dated Bugust 18, 1961 and entered in Los Angeles Superior Court Cass 80. 506806 entitled California Mater Aervice Company, st al. vs., City of Compton, et al. during the period communicing October 1, 1970 and continuing to and including Settember 10, 1975.

Said License is granted, subject to the following conditions

- Licensee shall servise seld fight and extract the same on bansif of COLMBIA BROADCASTIMS STRIPM, IEC. during the period above spesified and put the name to beneficial use and Lisensee shall not by the exercise horsunder of said right acquire any right to extrast water independent of the rights of Licenser.
- Licensee shall pay assessments levied on the pumping of said ground waters by the Central and Wast Bsain Mater Replenishment District.
- Licensee shell notify the District and the Watermaster that said pumping was done pursuant to this License and previde the Vetermaster with a copy of this document.
- Lisensee shall note in any recording of water production for the period of agreement, that said pumping

- 1

was in ne pur want 's this license

Licensee Hall pay all power costs and other production costs incurred with respect to the production of water hereunder

5. The period set forth above in this Agreement shall on it of five annual terms, each term commenting on "tuber I and ending on "repterier 10 of the nest succeeding year. Either License or License may terminate this Agreement at the end of any term by giving written notice to the other on or before September 1 of such term and said written notice shall be effective on September 30 of such term.

COLUMBIA BRANCHIIS CYCIM, NRC. extrants that it has 9 50 acre feet of Adjudicated Right and that it has not pumped and will not pump or permit or license any other person to pump any part of said 9.50 arms feet during the period of October 1, 1970 through September 10, 1975 unless this Agreement is econer terminated as herein provides.

Dated 111, 3 , 1971 as of October 1, 1970

CULUMBIA BROADLASTING SYSTEM, INC.

By Clause Happen perint

DUMIN FEE WATER FREDRATION

By getent & western William

- 2

LEASE DE UNT. LETGICE

THIS LOASE is entered into the 17th day of September, 1971, by and between DOHLOUGE MATER COMPONATION, a comporation, hereinsfer DOHLOUGE, and STANLEY C.

ACTRACY, an undividual, hereinsfer LACTRICY.

For and in consideration of the mutual undertakings and obligations of the parties as hereinafter set forth, and for other valuable consideration, the parties hereto extes as follows:

- LAGEBLOY has sequired the right to produce, extract and withdraw 3.3 acro foot of water par annual from the West Coast Easin, as said has in a described in the Judgment in Los Angelee Superior Court Case No. 500,800, entitled "California Where Service Company, et al., vo. City of Compton, or el".
- LAGGRLOF also his a carry-over right of 2 acre feet. LAGGRLOF hireby leases to DO INVOICE and DOMINGUEL hereby accepts from LAGGLOF 3.5 acro feet of right, together with the carry-over right of 2 acra feet.
- The term of this lease shall commence on the dato of this lease and continus to end including September 30, 1971.
- DOMINGUEZ shell pay to LAGERLOF the sum of \$137.50 on or hefore October 30, 1971.
- 5. LOW: OUR 2 shell pay, before delinquency, all pumping assessments levied by the Central and West Besin Water Replenishment Obstrict on LADEALOF's said water rights.
 - 6. DOMINGUEZ shall evercise all of the rights

lease. Reremmer and full provide on but
LAGETION and shall put the smooth by a defect on
or before September 3D, 1971.

7. End, party agrees that of the geomity. Attracted between the date of this it, count the end of the 1970-71 water yet from the R. In an object still rights were leased to BG HTML-1, 7.5 error freet of said quantity shall be deer 3 to be pursuant to and in exercise of the rights leased berely.

OATED: September 1 , 1971,

By Authorit Course ATION

Stanley U. Layerlo.

TRASPICA WATEL DO

THIS LEAST, | under and entered into as of the 4th day of December, 1970, by and between LOYOLA UNIVERSITY OF LOS ANNILLES. A corporation of 7100 West 50th Street, Los Angeles. California, hereinsister reserved to as "1 exact and DOMINGUEZ WATER CONFORMATION, 3 California corporation, of 2 % 5 % 5 %... Alameda Street, Long Deach, California 90th hereinsister referred to as. Lasses.

WITNESSETH

WHEREAS, Leaver is the leaver of the right to all cold, take, provide and withdraw from the ground water beautin how Angeles would, while risk common is shown as the "West Clost Hasia", approximately 4n 10 agrs for to leave, jet year and

WHEREAS, Lesser desires to avail should of the rights of Lesser within West.

Casas Basin during the water year ending businemer 10 (197) and Lesser is willing
to allow Lesser to purchaser a water right within West Coast Basin in an amount
of 46 (0 acre leet plus a carry-ver from the previous cas of 4 b) acre leet during
the 1970-71 water year anding September 10 (97), subject to the terms and
conditions hereinafter act forth.

NOW, THEREFORE, IT IS MUTUALLY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS

Lanage anall

1. Pay to Lessor the sum of \$925.93. Said a im to be payable December 4.

- Pay directly to the Central and Wost Dasin Aster Replenishment Gistrett
 any and all jump assessments and any and all other charges is visid on the waters
 produced heraunder by Lessee
- Pay all power costs and other production costs in connection with the production of the water referred to harein.
- 4. Propare and file all necessary reports and documents in connection with the water rights leased herein, required by the Contral and West Basin Water Replenishment District.
- 5. Make the necessary filings with the State Water Rights Board, in connection with the waters produced by Lessee hereunder as provided in just on Division 2 (Sections 4999 et seq.) of the Water Gode of the State of Galifornia has amended and prepare and file any other reports. Jilings or the link as may be required id. it? the term hereof, from time to time, by proper sulfortly in connection with the rights leaved becomes.
- 6 Prepare file and furnish scopy to Lesson of all reports documents and papers necessary and advisable for the preservation of Lesson's water rights wereby lessed, without cost to Lesson.

All notices, balls demands or communications from the particle the utber hereander shall be in writing, and shall be deemed sufficiently served, given or made by depositing the same in the United States mail in any main or branch post offices, in the Nate of Cabinoria, postage prepaid addressed to the respective party at the address hereanabous and recitals hereanable forth or at such other address without party hereto may exercit by written notice given to the other

This Lease: and all of the rights and obligations harm contained, shall bind and inure to the benefit of the respective auccessors and assigns of the parties.

IN WITNESS WHEREOF, the parties hereto have caused this Lease to b. executed in duplicate each of which enail be deemed an original, by their

respective officers, duly authorised and their corporate seals to be hereunto affixed, at Los Angeles, California, as of the day and year first shove mentioned

LOYOLA UNIVERSITY OF LOS ANGELES

(Corporate Seal)

By Man Jan 19 19 By M. H. Old III

By Arthur & River By City Laire

(Corporate Seal)

-1-

The A Will all consideration, single FE Life (GPOMPERT COFFINE ALL COFFICE COF author the purpose on energy obtaber 1, 1970 and continuing to and including September 30, 1970.

Said License is granted, subject to the following consistons:

(1) Hecease omail exercise said right and extract the size on otherfore, the first discussion of the first threat of the size of the first threat the size on otherfore, the first of the size of t

(3) Licensee shall notify the District and the Wetermaster that said pumping was done pursuant to this License and provide the Setermaster with a copy of this Secument.

 (χ) licensee shall note, in any recording of water production for toe period of agreement, that said pumping see done pursuant to this license

SANTA FE LIND INCRUMENT COMPANY warrants that is now 39.50 scre-feet of Adjusticated Right and that it has not pumped and will not pump or permit or license any other person to pump any part of said 39.50 scre-feet during period of October 1, 1970 through September 30, 1971.

DATED: July 13, 1970

SAUTA FE LAND DIPROVIDADIT COMPANY

Vice Appealdent

The parties heret, but and a Paren CorporAgio a California corporation, hereinafter DudiNGULZ, and Picc COUNTY MATER DISTRICT, a county water district organized under Davision 12 of the Mater Code of California, herein after DISTRICE.

This agreement is based on the following facts: 1. DOMINGUEZ has rights to produce water from the Central Basin of California adjudicated to it under Contral and West Basin Water Replenishment District vs. Cha.les E. Adems, et al., No. 786,656 Los Angeles Superior Court, and has the right to extract not less than 350 acre feet from said bosin for the balance of the water year 1970-71.

2. DISTRICT has acquired by lease the right to extract not less than 350 acre feet of water from the West Coast Easin for the belance of the water year 1970-71.

3. The parties desire to exchange said rights on the terms and conditions set forth helou

The perties hereto egree as follows.

A. DISTRICT hereby gives end transfers to DO::INGUEZ ite rights to extract water from the West Comet Basin for the water year 1970-71 to the extent of 350 acre feet.

B. DOMINGUEZ hereby gives and transfers to DISTRICT ite rights to extract water from the Central Basin for the

water year 1970-71 to the extent of 350 mile feet.

- C. Each party abrees to pay before delinquency all pumping assessments levied by the Central and West Basin Water Replenishment District on the water rights being transferred to each.
- D. Early party agrees to pump and extract the full amount of 350 erro feet of water from the basin in which the transferred rights exist end put said amount to beneficial use therein prior to the end of the 1970-71
- E. Each party agrees that the first 350 acre feet extracted by it following the date of this agreement from the besin in which said rights were transferred to it, shall be deemed to be pursuant to and in exercise of the rights transferred hereby.

DATED: August 6 , 1971.

PICD COUNTY WATER DISTRICT

Stanley C. Lagerlof, Secretary

RECITALS

WHEREAS, both the DIST-Tel and DEPARTERS are producing from the West Rests and

WHEREAS, DISTRICT has an alliered gumpley allocation of 1352 fit acre feet of warri per a run fit said Sesin, and

WHEREAS, DEPARTMENT deals to make temporary was if #

MEN. THE RELOWS. THE PARTIES HERE! AUGUS AS FILLOWS

1 THE DISTRICT grants : DEPARTMENT & literar to produce a portion of DISTRICT'S Move Regin allowed pumping all cation in the quantity of \$,000 airs feet for the water year which commences October 1, 1977, and which water year ends on September 10,

2 DEPART UNI agrice to pay DISTRICT the net acn of \$13,500 00 before January 1, 197.

3. DEPARTMENT Will pay to the Central and West Sestin Water Regionishment District any pumping assesse is levied by said Seplentshment District during the 1970-1971 water year on

Besin under said liverse

4 DEPARTMENT will kery said maintain returns of agreed production under this agreement and will report same to the Mater mester and to DISTRICT upon couplettes of DEPARTMENT'S pumping

IN WITHESS WHEREOI, the parties beseto have authorized the due exclusion beyond by their respective officers this day and year flist above set forth

DISTRICE The In Si

gus my

DEPARTMENT TO DEPARTMENT OF WATER AND POWER OF THE CITY OF LOS ANGELES

JUN -0 1971 with It am

Service Company to the Company to th

of Line see shall my assessments levied in the pumping of eard ground waters by the contral and heat Bears Water Replanishment District.

(ii) L. clieck shall notify the District and the Watermaster that said pumping was disk pursuant to this license and provide the Matermaster with a copy of this document.

 Listeranc shall note in any recording it water production for the period of egreciment, that said pumping was done pursuant to this interval. AATSON LAND COMPANY warrants that it has 20,00 acre feet of Adjudicated Right and that it has not pumped and with not pump or permit or license any other person to pimp any part of and 20,00 acre feet during period of October 1, 1970 through Deplement 10, 1971.

By ____~

DOMINGUEZ WATER CORPORATION arthur L. Reeves

MARK OF WATER SIGHTS

THIS AGREDIEST to natural toro this 27th day of April, 1971, by and between DONCHOUTZ WATER COMPORATION, heretwefter referred he as "BONGHOURZ"

- AND MOBIL OIL COMPOSATION, hereivefter referred to we "MOBIL"
- t. For valuable consideration, the parties hereto agree we follows 2. Dominguer hereby leases to Hobil and Hobil tekes from Domingues the right to exercise Domingues's allowed pumping allocation to estract water from the West Coast Seals (the ground water basis within the Central and west Basin Mater Replenishment District Eight ---
 - 3. The term of this lesse shall be for the period communing $4 prt1.27,\ 1971_{\star}$ and continuing to and including September 30, 19°
- 4. Mobil shall pay, before del repency, all purring execuments lowled by the Central and West Saste Water Seplantshwest District we bemingwar's sold he hundred forty tight [168] sure fast of mater right to Most Court Sant
- 5. Any ad walters tas imposed on these rights by the county assess: shall be paid by Doningers
- 6. Demingues has been adjudt 1 to our at trast One Hundred Forty Right (148 errs fast of water to the one entitled CALIFORNIA VATTE SIN 'T TANY, et al v ty of compton, et al tes Ampetes Superior curf (see No. 506,836 . However, Domingues

expressly weles no earning than it is the owner of or has the Eight to leave the water rights purported to be leaved befounde In the event, however that it to deemed or any time during the term between their Dominguez does not own the respective rights teased hereunder or any pull thereof ... we have shall return the Waluable Consideration of a paragraph 1 Continuer form not wastent that the first state of the s meanin extraction of rights or the herometer but in the event That Mobil is privanced from user time a low any paretys of t sights ferred to a substitute of son Newton of the

- weation or prohibition by any legally constituted government authority, adjustment shall be made between the parties
- 3 mails shall sweller self of the rights leved between end shall pump the same on bankle for thousand and still put the same to beneficial use. Boils shall be relieved of obligations under this paragraph to the stand that failure to prove any rights leaved becoming it cannot be affect to prove any each variety of the country of the stand between the stand by shalling to pump of use such bases for to critical belongs, also given to the warry table, or any other research which made was the water to destructly massache, are not fool, or other acts, or occution of which parties have no control. Dott shall give matter within a reasonable time of the existence of any of the Artermetical Constitute.
- 3 mount of the least to a quartity which would no lode any parties of the least to a quartity which would no lode any parties of the one Hundred Porty Eight (148) acre feet leasted harvarder.
- 9 Mobil shall report all of its extractions under pursuant to this leave to all agencies to whose such reports must be rade, or in the alternative, such lat proude such information regarding its pumping to Dominguet so that Dominguet may nake such teports, if any are required during the term of this leave.
- 10. If gitter party to cit, least shall desire for ever a notice on the other, such notice what he desend to have been used if those and to desengour are united to he C. Novich Resert, President, Destapper vare Comportion, 2718 South Alexend Ettert, Long Stori, Galiferoni, 8010, and all notices ever to ANDI it was defer to me. B. J. birderstant, Nonager, Torresse Afficier, 3700-viri 190th Sterer, Torresse, California 6500 Delivery will be deemed to have been used when pages and not build Sterer and pastage to profit them party may, by notice in writing to the other, Change much address for notices to it.

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IN MITMESS WELFLOF THE parties betata asscute this agreement of the date first above written.

BONGHOUSE MATER LURPORATION

Married Grant Company Company

WHEIL OIL CORPORATION

LEASE OF WATER RIGHTS

THIS ACREDIBNT Is entered into this lith day of September 1970 by and between SIANDARD OIL CORANT OF CALIFORNIA, WESTERN OPERATIONS, DC., (a division of Standard Oil Company of California a belowere Corporation), berstandfor referred to as "STANDARD" and HMMIL OIL CMPOMATION, beestandfor referred to as "STANDARD" and HMMIL OIL CMPOMATION, beestandfor referred to as "SCANDARD".

For and in consideration of the outual undertakings and obligations of the parties as harsinafter set out and for other valuable consideration, the parties bards agree as follows:

- 1 BEADMED hereby learns to modEL and WHILL cases from SEGMADD the sight to matriciae STADMEDD's appropriative, preactiptive and educations right to execute vaccy from the Ware Coset Maris (the ground water basts within the Central and Ware Basin Water Replantament District to the State of California) to the extent of One Thousand Five Hendred (1,000) serve feet.
- 2 The term of this lease shall be for the water year commencing October 1, 1970, and continuing to and including September 30, 1971
- 3 MOBIL shall pay to STANDARD, by check, on or before September 30, 1971 the sup of Thirty-reason Thousand Five Mondred and MoffCO Dollare (331,500 DO), which sup represents Thenty-five and MoffCO Dollare and arre-foot.
- 4. Dr. the event that an ad veloces can be imposed on SIAMBAD'S water rights for the period of this contest, and SIAMBAD per that can, MRIE Will cambers SIAMBAD by the smoot of each can applicable to the One Thomson five Nontrad (1900) acre from Lisaked Assets. Dissement will be to edition to the amount officients for Eras J, shown

. .

- If for any resear the tax collectic makes a refund of said tax to STANDARD, then STANDARD shall rewit same to Hobit.
- 5 MCBIL ehalf pay, before delinquency all pumping sessessments invited by the Central and West Resin Mater Replanishment Otaritot on STAMDARD'S said One Thousand Five Mundred (1500) acre feet of water right
- 6 STANDARD has been adjudicated to own at less! One Thousand Five Hundrad (1500) acre test of water in the case entitled CALIFORNIA MATER SERVICE COMPANY er all v City of Compton at al., Los Angeles Superior Court Case No. 506,806. However, STANDARD expresely makes no werranty that 10 is the owner of or hem the cight to lesse the water rights purported to be leased hereunder . In the event, however, that it is deemed at any time during the term hereof that STANDARD dose nor own the eights leased hereunder or any pair thereof, STANDARD shall return to MDBIL any consideration paid to STANDARD, computed on the above price get acre foot for any weller rights which MOBIL is unable to exercise because of STANDARD'S lack of ownership in said water tights. STANDARD dose not warrant ther there is sufficient water in said West Sagin so as to anabie NOSII to extra r the rights lessed to it hereunder, but in the event that MDBIL to prevented from exercteing will or any portion of the rights lessed hereunder due to eshaustion of said basis or intervention or prohibition by any legally constituted government authority, any consideration paid by WHSII to STANDARD shall be returned to MPSIL upon the same basis as that erared above

- 7. MERC what searche will at the rights leaved beroofer and shall pump the same on healf of SUDMAN and whall got the seas in healfield. He will be relieved of its obligations under this paragraph on the season that its failure to pump any of SUDMAN'S rights leaved to the state that its failure to pump any of SUDMAN'S rights leaved hereafte to chared by NEAL'S leavility to pump or was such water for the strikes leaved by NEAL'S leavility to pump or was such water for the strikes leaved along grows to the water failer. Hereafte which would make the water footerming under the will fail of God, or other arts or occasions of which wall has no control WERL hall notify SUDMAND within a reservable time of the existency of any of the deference leaved controls.
- 6 STAMMARD shall not pump water from said Nest Basin during the term of this lease in a quantity which would include any portion of the One Thousand Five Hundred (1500) acre feet leased hereunder
- 9 Medit shall report all of its extractions made pursuant to this leave to all agencies to whom such reports must be made, or in the alternative, shall provide such information regarding its pumping to STANAKI so that STANAKI may make such reports. If any ware repoired during the term of this leave.
- 10. If either party to this [same shall desire to serve a notice on the other, each notice shall be desired to have been under if those sent to 350-300 year smalled for R. b. Frector, "service Namager," Attention ' Hr. C. D. herker, Standard Oli Company of California, Masters Oyer-tions, [sc. 336 West El Sepondo Bouleveré, 15 Sepondo, California Oyer-tions, [sc. 336 West El Sepondo Souleveré, 15 Sepondo, California 1003. and ell moticas action (SCHIL are)

mailed to Mr. R. J. Niederstede, Attantion. Mr. H. | Mage, Mobil Oil Desponation, JOO Week 190th Street, Torrance, [elifarnia =0005]. Delivery will be derwed to here been eade when deposited in the Deliver will, postate prepaid. Either party may, by notice to writte, to the other, change such address for notices to it.

IN MITHESS UNIREOF THE parties hereto suscute this excessent on the date lites above written

STANDARD OIL COMPANY OF CALIFORNIA WESTERN OF ERATIONS (NC (A Division of Standard UE) Company of California, a Dalmara Company of

California e Delaware Corporation)

BY Control Vice President

MOBIL OIL CHAPORATION

W II The San tas.



LICENSE FOR WATER RIGHTS

This agreement is entered into this 15th day of 125th 1, 1270, by and between Southern Lailfornia Edition, and formula corporation, herein feer referred to as LICINON, and formula constitution, berein feer referred to as LICINON, and formula constitution to as LICINON.

For and in consideration of the mutual undertakings and obligations of the parties as hereinafter set forth and for other valuable consideration, the parties hereto agree as follows:

- 1. LICENSON brieby gives to LICENSEE and LICENSEE takes from LICENSOR the right to exercise LICENSOR'S appropriative, prescriptive and addudates of light(s) to extract section of the control and the section of the control and the control and the control and the control and to the exercise of the control and the contr
- 2. The term of this licence shall be for the water year commencing October 1, 1970, and continuing to and including Spreader 3: 1971, provided, however, that this agreement shall terminate immediately upon the expiration, cancellation or termination of the License previously granted document manner.
- 3. LICENSEE shall pay, before delinquency. all pumping assessments levied by the Central and West Rasin Water keplensiment Gastriet on LICENSOR's said fifty.
- 4. LICENSEE SHALL comply promptly with all requirements of the Central and West Basin Water Peplendsment Distric-(including ton filling of pumping roports and the obtaining of exchange pool water if necessary) and those of any public agency or suthority.
- fitty-seven and one tonch (57.1) scre-feet of water in the case entitled "Gaiffornis skere Service Company, et al., ws. City of Compton, et al., "Los Angeles Superior Court watering the case of the Company, et al., "Los Angeles Superior Court watering the fit is thereof the company of the case of the case
- 6. LICENSEE shall executes all of the rights given hereunder and shall pump the same on behalf of LICENSEE shall be relieved of its obligations under this paragraph to be relieved of its obligations under this paragraph to the same to beneficial use. LICENSEE shall be relieved of its obligations under this paragraph to the extent that its failure to pump any of LICENSEE's inability to pump or use such water due to strike the same that water due to strike the same that water due to strike the same that water agriculturally or industrially unusable by LICENSEE acts of God or other acts or occasions of which LICENSEE acts of God or other acts or occasions of which LICENSEE acts of God or other acts or occasions of which LICENSEE acts of God or other acts or occasions of onditions.
- 7. LICENSOR thall not pump water from soid West
 Coast Rasin during the term of this license in a quantity
 which would include any nortion of the firm (-52---) acre-feet given hereunces.
- 8. LICENSLE acrees to relinquish to LICENSOR the right to pump any of the (1997) acre-feet acre) in licensed not pumped by the LICENSLE during the term of this License.
- 9. If either party to this license, shall desire to serve a notice or the offer, such notice shall be deemed to have neen reds if those sent to lickNSG are mailed to Manager of Kight of May and Land Practisent, Southern Californs about the Manager of Kight of May and Land Practisent, Southern Californs about the Management, and all notices sent to liceNSE ARE mailed to 1727. Intel® to have been made with the Management, and all notices sent to liceNSE ARE mailed to 1727. Intel® to have been made with the mailed to the other, chunch such distinct for redicted the writing to the other, chunch such distinct for redicted to the first party care.

IN WITNESS WHEREOF, the parties hereto execute this agreement on the date first above written.

SOUTHER! CALIFORNIA EDISON COMPACTA CHIfornia corporation

By Francisco Compacta Com

Chisato Otani

LICENSEE

LEPAL OF W/ R)

THIS LANE is entired into its [1], of __a.

1971, by and between UNITID STATES SITE (OUT NATION, - IN HAWATE CORPORATION, FROM STATES SITE (OUT NATION, - IN HAWATE PLOT COUNTY WATER DISTPICT, a county water district organized under the Nater Code of California, heremafter referred to as "NICO".

For and in consideration of the mutual undertakings and obligations of the parties as hereafter set forth, and for other valuable consideration, the parties hereto agree as follows:

- UNITED STATES STEEL has been adjudicated a right to produce, extract and withdraw 1791 acre feet of water per annual from the West Coast Basin, as eard Basin is described in the Judgment in Los Angeles Superior Court Case No. 100806 entitled "California Water Service Company, et al., v. Sity of Compton. st al.".
- UNITED STATES STEEL HEMERY leases to PICO and PICO hereby accepts from UNITED STATE: STEEL a portion of said adjudicated right to the extent of 38 acre feet.
- The term of this lease shall commence on the date of this lease and continue to and including September 30, 1971
- 4- PICO shall pay to UNITED STATES STREE the sum of \$9,500.00 on or before September $30,\ 1971$
- PICO shall pay, before delanquency, all pumping assess ments levied by the Central and West Basan Water Replenishment District on UNITED STATES STEEL's said 380 acre feet of water rights

-1-

- 6. PICO shall exercise or cause to be exercised all of the rights leased hereunder and shall pump the same on behalf of UNITIO STATES STEEL and shall put or cause to be put the same to beneficial use on or before September 30, 1971.
- 7. The last 180 erre feet of vater extracted by PICO or others on its behalf from said west Coast Basin during the water yaar ending September 10, 1971, shall be deemed to be pursuant to and in exercise of the rights leased hereby; and if for any reson said last 380 erre feet of water cannot be considered or deemed to have been extracted pursuant to and in exercise of the rights leased hereby, then any 380 erre feet of water extracted by PICO or others on its behalf between the date hereof and September 10, 1971, shall be deemed to be pursuant to and in exercise of the rights leased hereby.

UNITED STATES STEEL CORPORATION
BY
Vice President-Western Steel Operations
PICO COUNTY WATER DISTRICT
BY
Fyssident
By
Sacratary

wi i firm | Mail i νοια λ. (144 Αμείτ Cλ. 900 τ TURNING TORREST AND 1 CO 15 May 2 FH FE8 21 1971 Ru. III III order DEED OF WATER RIGHTS For a valuable consideration, ASSOCIATIO SOUTHERN INVESTMENT DMPANE, a corporate n, berety sells and transfers to SOUTHERN CALIFORNIA All of quarties As unlicated Right allocated to grantur under compact to real pictority taxes for the fiscal year 1970-ASSOCIATED SOUTPERN INVESTMENT & C. Hoach secretary SOUTHERN CALLFORNIA LINTON COMPANY, Trates COUNTY OF 'C' /'e On this day of 1997 to Clate, presently speaker by the form of the control of the WITNESS my hand and official smal. COUNTY OF 5" NI* On this day of 13, before me, who mostly robbit to new for such state, promisely reports in the President, and the such state, promisely reports in the President, and the such state of the such states of

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The partic community, SiAU. ... Col 11 Coll ... Cy, a corporation, become a softweek, and Pleatounity WATER DISTRICT, a county water district organized under Division 17 of the Water Code of Calife mir, beneinafter DISHRICK

- This agreement is based on the following facts: 1. STAUFFER has rights to produce water from the Central Basin of California adjudicated to it under Central and West Basin Mater Replenishment District vs. Charles E. Aders, et al., No. 786,656 Los Angeles Superior Court, and has the right to extract not less than 30 ecre feet from said basin for the balance of the water year 1970-71.
- 2. DISTRICT has acquired by lease the right to extract not in excess of 30 acre feet of water from the West Coast Basin for the balence of the wete: year 1970-71.
- 3. The perties desire to exchange said rights on the terms and conditions set forth below.
- The parties hereto agree as follows: OISTRICT its rights to extract water from the West Coast Beein for the water year 1970-71 to the extent of 30 acre
- B. STAUFFER hereby gives and transfers to DISTRICT its rights to extract water from the Central Beein for the water year 1970-71 to the extent of 30 acre feet.

- C. F. character and property delings of the property of the control and thest Bosin Mater Replacish and District on the enter rights being transferred to cook
- O. Each party spaces to proposed extract the full arount of 30 arm feet of water from the basin in which the transferred rights exist and put said amount to beneficial use therein prior to the end of the 1970-71
- E. Each party agrees that of the quantity extracted between the date of this spree out and the end of the 1570-71 water year from the basin in which said rights very transferred to it, 30 acre feet of said quantity shall be decird to be pursuent to end in excicise of the rights transfe red hereby.

STAUFFER CHI FOAL CO PANY By Authorized Signature

By Stanley C. Lagerlot, Secretery

SUGGESTED SAMPLES OF DOCUMENTS FOR TRANSFERRING WATER RIGHTS

YEARLY LEASE	PERMANENT TRANSFER						
WATER RIGHT LICENSE AND AGREEMENT	DEED OF WATER RIGHTS						
For a valuable consideration, THE JOHN ONE LATARY hereb, grants to John Sotth: a license to extract conser (or secrected livensor's Adjudenced plant in the secretary of the sec	Por a valuable consideration, JOHN EMTH hereby sells and transfers to the JOHN DOE CHMIANT: The Right to extract acre-feet of grantor's Adjudicated Right allocated to grantor (or predecessors in interest) under and purchant to Judgment dated August 18, 1 as) and entered in Los Angeles Superior Court "ase No. 50x80x entitled "California water Service "Ompany, et al. vs. City of "cepton, et al. Dated:						

APPENDIX B GROUND WATER EXTRACTIONS

GHOUND WATER EXTRACTIONS IN ACRE-FEET

	Company Comp								PRO	DUCTION						
A B C VIRREEN, TAC A B C VIRREEN, TAC A B C VIRREEN, TAC A C VI	A S C MISSER*, INC 35/13-29/135 1 3.63 7.32 .44 1.13 1.57 2.56 3.60 7.72 3.45 4.78 5.03 4.25 35.6 55/13-29/135 1 3.63 7.32 .44 1.13 1.57 2.56 3.60 7.72 3.45 4.78 5.03 4.25 35.6 55/13-29/135 1 3.63 7.32 .44 1.13 1.57 2.56 3.60 7.72 3.45 4.78 5.03 4.25 35.6 55/13-29/135 1 3.63 7.32 1.67 7.75 .97 1.85 2.70 2.14 7.75 7.75 7.75 7.75 7.75 7.75 7.75 7.7		: OWNERS	1	1970		:				1971					1 TOTAL
35/13297 3 3 6 7 2 3 4 5 3 2 4 4 1 3 1 5 2 2 5 3 6 7 7 2 3 5 4 7 8 5 3 4 2 5 5 5 5 5 5 5 5 5	Sylphoresists 1		I NATION	: OCT	: NOV	: UEC	I JAN	: FEA	1 MAR	: AP9	I MAY	I JUNE	1 JULY	8 AUG	: SFPT	1
35/13297 3 3 6 7 2 3 4 5 3 2 4 4 1 3 1 5 2 2 5 3 6 7 7 2 3 5 4 7 8 5 3 4 2 5 5 5 5 5 5 5 5 5	Sylphoresists 1															
35/13297 3 3 6 7 2 3 4 5 3 2 4 4 1 3 1 5 2 2 5 3 6 7 7 2 3 5 4 7 8 5 3 4 2 5 5 5 5 5 5 5 5 5	Sylphoresists 1		9 C MIDSED	v . 1110												
### PACK PLANT GROWERS NO. 1.05 1.05 2.70 2.15 2.45 3.21 2.23 4.03 5.46 29.09 ### PACK PLANT GROWERS 1.05 1.07 1.05 2.70 2.15 2.45 3.21 2.23 4.03 5.46 29.09 ### PACK PLANT GROWERS 1.05 1.07 1.07 1.07 1.07 1.05 2.70 2.15 2.45 3.21 2.23 4.03 5.46 29.09 ### PACK PLANT GROWERS 1.05 1.07	**************************************	_			2 22		1 12	1 53	3 56	3 40	2 72	3 45	4. 79	5 03	4 36	35 67
### ### ### ### ### ### ### ### ### ##	Section	3213M-5AL 11	5 1	3.83	2.32	•**	1.13	1.50	2.30	3.00	2.12	3.43	4.70	3.03	4.63	33.01
### ALLAYIC VICHFIELD COMPANY ### ACTION PLAN ### ACTIO	### AND CONTROL OF STATE OF ST	ΔН	ERICAN PLA	NT GROWER	5 INC											
Section		45/13=-19J06	5 8294	2.42	1.27	.75	.97	1.85	2.70	2.15	2.45	3.21	2.23	4.43	5.46	29.69
Section																
ASTINITION STATE	***SYSTEM ***PART STATE **** Company *** Company **** Company **** Company **** Company **** Company **	AT	LANTIC PIC	HF1ELD CO	MPANY											
45/11219055 7 7 7.71 0 32.37 80.19 30.71 32.28 40.67 35.48 20.95 10 55.25 24.28 304.80 25/11219055 7 7 7.71 0 32.37 80.52 10.19 30.00 11.2	**************************************							198.14								2265.88
**************************************	Section Control Cont	45/134-21405	5 7	7.71	0	32.32	69.19	30.71	32.28	46.67	35.66	20.95	0	65.25	24.28	364.80
**** *********************************	### ### ### ### ### ### ### ### ### ##	45/13w-22F01	5 4	34.85	. 41	3.92	0	3,34	125,43	133.55	147.90	144.50	135,83	147.57	2,99	875.29
Totals	Third S										187.66	195.23	178.17	167.94	180.86	1957.46
STATE STATE STATE SERVICE COMPANY STATE ST	CALIFOUNTA WATEN SERVICE COMPANY CALIFOUNTAL SERVICE COMPANY CALIFOUNTAL SERVICE COMPANY CALIFORNIA SERVICE COMPANY CALIFO		, ,,													
35/1424/015 2001 A0.47 64.39 53.23 78.13 05.61 69.90 A5.53 53.89 57.60 64.76 62.57 4.3.20 776.33 35/1424/015 2001 99.50 19.63 10.60 10	Section Sect	INTALS		7113.37	700.34	721.00	1014.00	907.3.1	1030.34	1033.29	7117.23	700.31	1007.03	1003.70	000.10	11331+33
35/14P2015 2701 99.50 91.60 104.03 105.00 94.51 94.80 102.04 80.01 90.93 70.83 52.37 61.74 1055.45 35/14P2015 2701 15.35 15.35 15.35 15.35 25.17 15.25 25.17 20.01 10.95 35/14P2015 2701 15.35 15.35 171.17 172.48 204.25 170.04 183.75 182.44 173.07 182.11 208.14 178.47 159.44 35/14-P2015 108.25 171.17 172.48 204.25 170.04 183.75 182.44 173.07 182.11 208.14 178.47 159.44 159.40 45/14-P2015 10891 1.40 1.40 1.20 .67 1.47 4.23 2.74 2.80 1.97 2.62 13.30 .80 24.70 45/14-P2015 10891 1.40 1.40 1.20 .67 1.47 4.23 2.74 2.80 1.97 2.62 13.30 .80 24.70 45/14-P3015 10892 7.31 4.51 0.85 9.20 0.65 9.40 10.09 11.20 10.80 11.21 10.77 2.53 10.44 45/14-P3015 10892 7.31 4.51 0.85 9.20 0.65 9.40 10.09 11.20 10.80 11.21 10.77 2.53 10.44 45/14-P3016 5784 0.3* 0.3* 0.85	367/14-7-3015 201 99.50 99.50 91.60 10.403 105.00 94.51 94.00 102.00 98.01 90.03 70.83 52.37 61.77 10.005.40 857/44-15015 2010 10.50 10.00	CA	LIFOHNIA W	ATEH SERV	1CE COMP	ANY										
45/14-167015 8701 15.35 15.19 15.22 21.12 9.00 14.06 14.67 21.19 20.05 55.46 45.77 40.09 151.00 12.65 55.46 52.40 12.77 40.09 151.00 12.10 12.10 12.77 2.53 102.10 45.71 45.	### ### ### ### ### ### ### ### ### ##	35/14w-29F01	5 2001			53.23	78.13		69.90	65.53	53.89	57.60	64.76	62.57	43.26	748.35
35/14324025 N-02 0 0 0 0 0 0 0 0 0	35/1432025 N-02 0 0 0 0 0 0 0 0 0	35/14×-29J01 45/14×-16F01	5 2201 5 2501	99.50 15.35	91.60	104.03	21.12		94.89 18.96	102.04	98.01	90.93	70.83	17.74	61.74	201.00
CHANDLEUS PALUS VERDES SAND-GN CUGP 45/14-35F025 PLAYT	CHANDLEVS PALUS VERDES SAND-GN COUP- 45/1435F025 PLANT			0	0		0	0	0	0	0			45.79	40.98	154.90
## AST 135F025 PLANT 4.97 3.93 3.24 5.38 4.46 4.73 5.41 6.38 6.52 11.27 8.99 7.69 72.97 ## AST 1-20 15 10 1 1.40 1.40 1.40 1.20 1.67 1.47 4.23 2.74 2.80 1.99 2.62 3.36 1.80 2.45 ## AST 1-20 15 10 1.40 1.40 1.20 1.20 1.20 10.80 11.21 10.77 2.53 102.16 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20	### ### ### ### ### ### ### ### ### ##	THITALS		184.32	171.17	172.48	204.25	170.04	183.75	182.44	173.09	182.11	208.14	178.47	154.44	2169.70
## AST 135F025 PLANT 4.97 3.93 3.24 5.38 4.46 4.73 5.41 6.38 6.52 11.27 8.99 7.69 72.97 ## AST 1-20 15 10 1 1.40 1.40 1.40 1.20 1.67 1.47 4.23 2.74 2.80 1.99 2.62 3.36 1.80 2.45 ## AST 1-20 15 10 1.40 1.40 1.20 1.20 1.20 10.80 11.21 10.77 2.53 102.16 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 ## AST 1-20 1.20	### ### ### ### ### ### ### ### ### ##	0	ANDLEDE DA		C CAND. C	0.000										
45/14-26J015 10681 1.40 1.00 1.20 4.75 4.23 2.74 2.80 1.99 2.62 3.38 .80 24.70 45/14-273015 10687 7.31 4.53 6.55 9.42 8.05 9.0 10.09 11.20 10.08 11.21 10.77 2.55 10.75 10.55 10.76 45/14-275ERAS SIDEN 7.52 6.04 5.29 5.62 10.43 22.11 15.63 12.57 9.02 16.33 13.63 15.85 140.04 17.12 10.00 11.20 10.00 10.00 10.20 10.00 10.20 10.00 10.20 10.20 10.00 10.20 10.20 10.20 10.00 10.20 10	### ### ### ### ### ### ### ### ### ##	_									. 80				7 10	70.07
465/19w-15f085 SIDEM 7.52 6.04 5.29 5.62 10.43 22.11 15.63 12.57 9.02 10.43 13.63 15.85 140.04 10.45 12.18 13.63 15.85 140.04 10.45 12.18 12.57 9.02 16.33 41.43 13.63 15.85 140.04 140.45 12.18 12.57 9.02 16.33 41.43 13.63 15.85 140.04 140.45 12.18 12.57 9.02 16.33 41.43 13.63 15.85 140.04 140.45 12.18 12.57 9.02 16.33 41.43 13.63 15.85 140.04 140.45 12.18 12.57 9.02 16.33 41.43 13.63 15.85 140.04 140.45 12.18 12.57 9.02 16.33 41.43 13.63 15.85 140.04 140.45 12.18 12.57 9.02 16.33 41.43 13.63 15.85 140.04 140.45 12.18 12.57 9.02 16.33 41.43 13.63 15.85 140.04 140.45 12.18 12.57 9.02 16.33 41.43 13.63 15.85 140.04 140.45 12.18 12.58 10.97 140.04 140.45 12.18 12.57 9.02 16.33 40.44 147.16 140.45	### ### ### ### ### ### ### ### ### ##	45/14W-28J01	5 10981	1.40	1.40	1.20	.67	1.47	4.23	2.74	2.80	1.99	2.62	3.38	.80	24.70
TITTALS 21.20 15.90 16.58 21.00 24.41 40.47 33.87 32.95 28.33 41.43 36.77 26.87 339.87 DESSEM ENTERPHISES 45/11w-150015 976H .03* 0* .05* 0* .02* 0* .02* 0* .02* 0* .02* 0* .02* 0* .16 00H1NGUF7 WATEH CORPOHATION 45/11w-11X015 19 48.73 0 1.40 1.40 5.27 .54 3.28 7.16 2.50 6.87 5.51 45.86 45/11w-17015 19 48.78 27.62 0 126.30 233.27 242.91 17015 5 #0011 339.04 209.37 244.71 308.03 40.44 417.16 400.49 204.41 293.40 587.34 601.71 556.47 4334.57 45/11w-15015 5 #0011 339.04 209.37 244.71 308.03 233.27 223.66 179.11 65.66 158.76 194.88 214.98 167.19 1815.73 45/11w-10015 32 163.59 88.35 0 126.30 233.27 223.66 179.11 65.66 158.76 194.88 214.98 167.19 1815.73 45/11w-100145 33 242.91 250.48 264.58 151.04 53.61 140.09 202.55 209.86 140.35 236.18 223.81 209.83 2317.67 T.01415 R01.52 580.9 531.29 586.77 328.77 794.18 782.69 575.21 599.70 1080.69 1128.02 1011.48 8801.20 101.48 10.	TOTALS 21,20 15,90 14,58 21,00 24.41 40.47 33,87 32,95 28,33 41,43 36,77 26,87 339.88		S TORRS		4.53	6.85	9.42	6.05	9.40	10.09	11.20	10.80		10.77	2.53	102.16
######################################	DESSEM ENTERPHISES		31172													
### ### ### ### ### ### ### ### ### ##	### ### ### ### ### ### ### ### ### ##	1014E2		21.20	12490	10.56	21.09	24.41	40.47	33.61	32.93	50.33	41.43	30.11	20,01	337407
### ### ### ### ### ### ### ### ### ##	00H1NGUF7 WATEW CORPORATION 45/11w-110015 7072 7,20 4,73 0 1.40 1.40 5.27 5.4 1,28 7.10 2.50 6.87 5.51 45.8 45/11w-170015 19 44.78 27.42 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DE	SSER ENTER	PHISES												
45/13#-11K035 1072 7.20 4.73 0 1.40 1.40 5.27 .54 3.28 7.16 2.50 6.87 5.51 45.86 45/13#-17015 19 4.88 27.62 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	### ### ### ### ### ### ### ### ### ##	45/13W-15001	5 9784	.03	0.0	.05	0 *	.024	0 •	.02*	() e	.024	0 4	•02	0 •	.16
45/13#-11K035 1072 7.20 4.73 0 1.40 1.40 5.27 .54 3.28 7.16 2.50 6.87 5.51 45.86 45/13#-17015 19 4.88 27.62 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	### ### ### ### ### ### ### ### ### ##	0.0	HINCHE?	TEN 60000												
### 10015 19	### 1011 10 46.78 27.62 0 0 0 0 0 0 0 0 0	_														.5.01
45/14-100035 33 19.06 209.37 284.71 308.03 40.44 411.16 400.49 204.01 293.00 587.34 601.71 556.7 4334.57 45/14-100035 33 242.91 250.46 246.58 151.04 53.61 148.09 202.55 209.86 140.35 236.18 225.81 209.83 2317.67 TOTALS 801.52 580.93 531.29 586.77 328.77 794.18 782.69 575.21 599.70 1080.69 1128.02 1011.48 8801.20 587.13 4.51 4.51 8.35 6.67 5.14 7.04 6.73 7.18 6.57 6.07 4.91 8.44 76.32 57.13 4.51 4.51 8.35 6.67 5.14 7.04 6.73 7.18 6.57 6.07 4.91 8.44 76.32 57.13 4.51 4.51 8.35 6.67 5.14 7.04 6.73 7.18 6.57 6.07 4.91 8.44 76.32 57.13 4.51 4.51 8.35 6.67 5.14 7.04 6.73 7.18 6.57 6.07 4.91 8.44 76.32 57.13 4.51 4.51 8.35 6.67 5.14 7.04 6.73 7.18 6.57 6.07 4.91 8.44 76.32 57.13 4.51 4.51 8.35 6.67 5.14 7.04 6.73 7.18 6.57 6.07 4.91 8.44 76.32 57.13 4.51 4.51 8.35 6.67 5.14 7.04 6.73 7.18 6.57 6.07 4.91 8.44 76.32 57.13 4.51 8.45 6.57 6.07 4.91 8.44 76.32 57.13 4.51 8.45 6.57 6.07 4.91 8.44 76.32 57.13 4.51 8.45 6.57 6.07 4.91 8.44 76.32 57.13 4.51 8.45 6.57 6.07 4.91 8.44 76.32 57.13 4.51 8.51 8.51 8.51 8.51 8.51 8.51 8.51 8	45/13w-15 5 9001 339.04 209.37 2M.71 308.03 40.44 417.16 400.49 206.41 290.40 587.36 601.1 156.47 4334.65/14w-1010045 32 163.59 88.35 0 125.00 233.72 223.66 179.11 65.66 158.74 194.88 214.98 167.19 1815.7 45/14w-1010045 33 242.91 250.46 246.58 151.04 53.61 148.09 202.55 209.86 140.35 236.18 225.81 209.83 2317.6 101148 8801.2 1011415 80.00 4.00 4.00 4.00 4.00 4.00 4.00 4.0	45/13#-11K03 45/13#-17001	S 19				1.40	1.40	0	.54	1.28	.05	59.79	78.65	72.48	287.37
45/13w-30A055 3 4.71 4.51 8.35 6.67 5.14 7.04 6.73 7.18 6.57 6.07 4.91 8.44 76.32 FULLYHOTO. SAMUEL M AND MAYMOND 5 35/13w-30A105 1 .46 .22 .16 .29 .51 .39 .65 .97 .85 1.02 1.28 .46 .40 7.26 MAYTHOUNE. CITY OF 35/14w-094045 4 14.94 3.41 4.84 1.14 5.43 35/14w-09405 12 12 124.45 119.84	45/144-100045 33 242.91 250.44 246.58 151.04 53.61 148.09 202.55 209.80 140.35 230.18 229.81 209.83 2317.6 TOTALS ROLLS 580.93 531.29 586.77 328.77 794.18 782.69 575.21 599.70 1080.69 1128.02 1011.48 8801.2 FLETCHEP OIL AND MFFINING COMPANY 45/134-30.4055 3 4.71 4.51 8.35 6.67 5.14 7.04 6.73 7.18 6.57 6.07 4.41 8.44 76.30 FUJ140TO. SAMUEL H AND HAYMOND S 35/134-30.4105 1 .46 .22 .16 .29 .51 .39 .65 .97 .85 1.02 1.28 .46 .46 7.20 MAYTHOUNE. CITY OF 35/144-09.015 H 20.10 9.10 9.82 4.11 5.43 36.44 12.91 14.55 11.67 7.76 0 0 131.91 35/144-09.015 12 128.65 119.44 120.33 114.88 10.79 120.33 134.99 114.88 107.97 120.35 35/144-09.015 12 128.65 119.44 120.33 148.88 120.33 148.88 120.33 150.48 120.91 14.55 11.67 7.76 0 0 0 131.91 35/144-09.015 12 128.65 119.44 120.33 114.88 107.79 128.85 0.06 45.35 55.06 62.03 66.43 68.09 134.91 35/144-09.015 12 128.65 119.44 120.33 114.88 107.79 128.85 0.06 45.35 55.06 62.03 66.43 68.09 134.91 35/144-09.015 12 128.05 119.44 120.33 114.88 107.79 128.85 0.06 45.35 55.06 62.03 66.43 68.09 134.91 35/144-09.015 12 128.05 119.44 120.33 114.88 107.79 128.85 0.06 45.35 55.06 62.03 66.43 68.09 134.91 35/144-09.015 12 128.05 119.44 120.33 114.88 107.79 128.85 0.06 45.35 55.06 62.03 66.43 68.09 134.91 35/144-09.015 12 128.05 119.44 120.33 114.89 112.72 183.76 146.74 167.03 184.70 189.15 153.44 198.50 1880.60												567.34	601.71	556.47	
FLETCHE? 011 AND MFFINING COMPANY 45/13#-30A055 3 4.71 4.51 8.35 6.67 5.14 7.04 6.73 7.18 6.57 6.07 4.91 8.44 76.32 FUJINOTO. SAMUEL M AND MAYMOND 5 35/13#-30A1U5 1 .46 .22 .16 .29 .51 .39 .65 .97 .85 1.02 1.28 .46 7.26 MAYTHOMNE. CITY OF 35/14#-04/1645 4 14.94 3.41 4.84 1.14 0 18.47 7.25 8.91 H.56 12.18 12.58 10.97 103.25 35/14#-094/055 12 128.45 119.84 120.33 114.88 107.29 128.85 90.96 45.63 55.06 62.93 66.43 68.09 1108.34 35/14#-094/055 12 128.45 119.84 120.33 114.88 107.29 128.85 90.96 45.63 55.06 62.93 66.43 68.09 1108.34 35/14#-094/015 13 0 0 0 0 0 0 0 0 0 0 35.62 97.93 109.41 106.28 74.43 119.46 543.11 TOTALS 1628 MEMONIAL PANK	FLETCHE-2 01L AND MFFINING COMPANY 45/13m-30A055															2317.67
### 100 10	### ### #### #########################	THITALS		801.52	580.93	531.29	5H6.77	328.72	794.18	782.69	575.21	599.70	1080.69	1128.02	1011.48	8801.20
### 100 10	### ### #### #########################															
FUJINOTO. SAMUEL H AND HAYMOND 5 35/134-70Alu5 1 .4e .22 .1e .29 .51 .39 .65 .97 .85 1.02 1.28 .4e 7.26 MANTHOUNE. CITY OF 35/144-09405 4 14.94 3.41 4.84 1.14 0 18.47 7.25 8.91 H.56 12.18 12.58 10.97 103.25 35/144-094015 12 128.45 119.84 120.33 114.48 107.29 128.85 40.64 54.5 3 11.07 7.76 0 0 8.09 1318.32 35/144-094015 12 128.45 119.84 120.33 114.48 107.29 128.85 40.64 54.5 3 55.06 62.93 66.43 68.09 1308.33 35/144-094015 13 0 0 0 0 0 0 35.62 97.93 109.41 106.28 74.41 194.44 553.11 TOTALS 163.49 132.35 134.99 114.73 112.72 183.76 146.74 167.03 184.70 189.15 153.44 198.50 1880.60	FUJINOTO. SAMUEL H AND HAYMOND S 35/13#-30AluS 1 .46 .22 .16 .29 .51 .39 .65 .97 .85 1.02 1.28 .46 7.20 HAYTHOUNE. CITY OF 35/14#-09*015	_														
35/134-70AluS 1 .46 .22 .16 .29 .51 .39 .65 .97 .85 1.02 1.28 .46 7.26 HAYTHOPNE CITY OF 35/144-04/1045 4 14.94 3.41 4.84 1.14 0 18.47 7.25 8.91 H.56 12.18 12.58 10.97 103.25 35/144-09/105 4 20.10 9.10 9.82 4.11 5.43 36.44 12.91 14.56 11.67 7.76 0 0 0 131.90 35/144-09/105 12 128.45 119.84 120.33 114.48 107.29 128.85 90.96 45.63 55.06 62.93 66.43 68.09 1108.34 35/144-09/105 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	35/13w-10AluS 1 .4e .22 .16 .29 .51 .39 .65 .97 .85 1.02 1.28 .46 7.20 HAYTHOPNE CITY OF 35/14w-04-04-045 4 14-94 3.41 4.84 1.14 0 18-47 7.25 8.91 H.56 12.18 12.58 10.97 103.22 35/14w-09-015 H 20.10 9.10 9.82 4.11 5.43 36.44 12.91 14.56 11.67 7.76 0 0 0 131.93 35/14w-09-015 12 128.45 119.84 120.33 114.88 107.29 128.85 90.96 45.63 55.06 62.93 66.43 68.09 1108.33 35/14w-09-015 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	45/13w-30A05	is 3	4.71	4.51	8.35	6.67	5.14	7.04	6.73	7.18	6.57	6.07	4.41	8.44	76.32
35/134-70AluS 1 .46 .22 .16 .29 .51 .39 .65 .97 .85 1.02 1.28 .46 7.26 HAYTHOPNE CITY OF 35/144-04/1045 4 14.94 3.41 4.84 1.14 0 18.47 7.25 8.91 H.56 12.18 12.58 10.97 103.25 35/144-09/105 4 20.10 9.10 9.82 4.11 5.43 36.44 12.91 14.56 11.67 7.76 0 0 0 131.90 35/144-09/105 12 128.45 119.84 120.33 114.48 107.29 128.85 90.96 45.63 55.06 62.93 66.43 68.09 1108.34 35/144-09/105 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	35/13w-10AluS 1 .4e .22 .16 .29 .51 .39 .65 .97 .85 1.02 1.28 .46 7.20 HAYTHOPNE CITY OF 35/14w-04-04-045 4 14-94 3.41 4.84 1.14 0 18-47 7.25 8.91 H.56 12.18 12.58 10.97 103.22 35/14w-09-015 H 20.10 9.10 9.82 4.11 5.43 36.44 12.91 14.56 11.67 7.76 0 0 0 131.93 35/14w-09-015 12 128.45 119.84 120.33 114.88 107.29 128.85 90.96 45.63 55.06 62.93 66.43 68.09 1108.33 35/14w-09-015 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FU	JIMOTO: SA	MUEL R AN	ID RAYMON	iD 5										
HAVTHOUNE CITY OF 35/144-04/1045 4 14,94 3,41 4,84 1,14 0 18,47 7,25 8,91 H,56 12,18 12,58 10,97 103,25 8,14 1,14 0 1,14 0 1,14 1,14 1,14 1,14 1,	HAYTHOUNE. CITY OF 35/14w-04/1045						. 29	.51	. 39	-65	. 97	.85	1.02	1.28	. 46	7.26
35/14w-0940165 4 14.94 3.41 4.84 1.14 0 18.47 7.25 8.91 8.96 12.18 12.58 10.97 103.25 35/14w-094015 12 28.45 119.84 120.33 114.48 107.29 128.85 90.96 45.63 55.06 62.93 66.43 68.09 131.90 35/14w-094015 13 12 128.45 119.84 120.33 114.48 107.29 128.85 90.96 45.63 55.06 62.93 66.43 68.09 131.90 35/14w-094015 13 163.49 132.35 134.99 114.73 112.72 183.76 146.74 167.03 184.70 189.15 153.44 198.50 1886.60	35/14w-04/045			• • • •	***	***				•00	•				• • •	
35/14-09/015 H 20:10 9.10 9.20 110.33 114.48 107.29 128.85 90.96 45.63 55.06 62.93 60.43 68.09 110.33 114.48 107.29 128.85 90.96 45.63 55.06 62.93 60.43 68.09 110.33 110.48 107.29 128.85 90.96 45.63 55.06 62.93 60.43 68.09 110.33 110.48 107.29 128.85 90.96 45.63 55.06 62.93 60.43 68.09 110.33 110.48 107.29 128.85 90.96 45.63 100.41 106.28 74.43 119.44 543.11 10.34	35/14-09/015	НΔ	WTHORNE + C	ITY OF												
35/144-094015 13 0 0 0 0 0 0 0 35.62 97.93 109.41 106.28 74.43 119.44 543.11 TOTALS 163.49 132.35 134.99 114.73 112.72 183.76 146.74 167.03 184.70 189.15 153.44 198.50 1886.60	35/14#-094015 13 0 0 0 0 0 0 0 35.62 97.93 109.41 106.28 74.43 119.44 543.11 TOTALS 163.49 132.35 134.99 114.73 112.72 183.76 146.74 167.03 184.70 189.15 153.44 198.50 1886.61 ***HILLSIDE MEMOHIAL PARK** 25/14#-19#035 2 3.33 0 0 0 .24 0 1.67 .21 .65 2.32 4.22 13.74 9.65 36.03 ***MOLLY#000 TUMF CLUB** 25/14#-341.025 18001 20.09 #.44 1.34 6.99 4.79 6.59 15.41 14.66 20.33 23.46 20.58 19.55 162.22 25/14#-34F015 0UIOZ 10.03 6.48 1.19 2.39 5.01 10.08 9.74 17.58 9.35 14.37 12.09 11.43 104.74				3.41	4 a H 4a	1.14			7.25	A.91					103.25
35/144-094015 1: 0 0 0 0 0 0 0 35.62 97.93 109.41 106.28 74.43 119.44 543.11 TOTALS 163.49 132.35 134.99 114.73 112.72 183.76 146.74 167.03 184.70 189.15 153.44 198.50 1886.60	35/14-90015 13 0 0 0 0 0 0 0 35.62 97.93 109.41 106.28 74.43 119.44 543.11 TOTALS 163.49 132.35 134.99 114.73 112.72 183.76 146.74 167.03 184.70 189.15 153.44 198.50 1886.60 HILLSTOE MEMOWIAL PANK 25/14-90035 2 3.33 0 0 .24 0 1.67 .21 .65 2.32 4.22 13.74 9.65 36.03 HOLLYWOOD TUMF CLUB 25/14-34.025 18001 20.09 8.44 1.34 6.99 4.79 6.59 15.41 14.66 20.33 23.46 20.58 19.55 162.23 25/14-34.035 0.0102 10.03 6.44 1.19 2.39 5.01 10.08 9.74 17.58 9.35 14.37 12.09 11.43 104.74	35/14#-09P01 35/14#-09N05	S H	20.10	9.10	9.82	4.11		36.44	12.91	14.56	11.67	7.76		68.09	131.90
HILLSIDE MEMONIAL PANK	HILLSIDE MEMONIAL PANK 25/]46-194035 2 3.33 0 0 .24 0 1.67 .21 .65 2.32 4.22 13.74 9.65 36.03 HOLLYWOOD TUMF CLUB 25/]46-34L025 1N001 20.09 M.44 1.34 6.99 4.79 6.59 15.41 14.66 20.33 23.46 20.58 19.55 162-22 25/]48-34F0]5 0UTO2 10.03 6.48 1.19 2.39 5.01 10.08 9.74 17.58 9.35 14.37 12.09 11.43 104.74	35/14#=89401	5 13	0	0	0	0	0	0	35.62	97.93	109.41	106.28	74.43	119.44	543.11
	25/140-19X035 2 3.33 0 0 .24 0 1.67 .21 .65 2.32 4.22 13.74 9.65 36.03 HULLYWOOD TUMF CLUB 25/140-34.025 1N001 20.09 M.44 1.34 6.99 4.79 6.59 15.41 14.66 20.33 23.46 20.58 19.55 162.23 25/140-34.015 0UIO? 10.03 6.4M 1.19 2.39 5.01 10.08 9.74 17.58 9.35 14.37 12.09 11.43 104.74	TOTALS		163.49	132.35	134.99	119.73	112.72	183.76	146.74	167.03	184.70	189.15	153.44	198.50	1886.60
	25/140-19X035 2 3.33 0 0 .24 0 1.67 .21 .65 2.32 4.22 13.74 9.65 36.03 HULLYWOOD TUMF CLUB 25/140-34.025 1N001 20.09 M.44 1.34 6.99 4.79 6.59 15.41 14.66 20.33 23.46 20.58 19.55 162.23 25/140-34.015 0UIO? 10.03 6.4M 1.19 2.39 5.01 10.08 9.74 17.58 9.35 14.37 12.09 11.43 104.74	M1	LISIDE MEN	OHTAL DAU	ik.											
C 3,130 U U C 4 U 1+01 C 3,130 U U V C 4 U C C 1 C C C C C C C C C C C C C C C C	MULLYWOOD TUMF CLUB 25/1434-025 NOOI 20.09 M.44 1.34 6.99 4.79 6.59 15.41 14.66 20.33 23.46 20.58 19.55 162-25 14.437 12.09 11.43 104.74 1.54 104.74 1.55 104.74 1.55 104.74 1.55 104.74 1.55 104.74 1.55 104.74 1.55 104.74 1.55 104.74 1.55	-			_		3/	_	1 47	21	4.5	2 22	4 33	17.76	9 45	36.03
	25/1434.025 N001 20.09 M.44 1.34 6.99 4.79 6.59 15.41 14.66 20.13 23.46 20.58 19.55 162-25/14-34.015 0UIO? 10.03 6.4M 1.19 2.39 5.01 10.08 9.74 17.58 9.35 14.37 12.09 11.43 104.74	c 3/1###1A#03		3,433	0	0	. 64	0	1.07	• C I	.00	2.32	₩	13074	7.00	30.03
HULLYWOOD TUNE CLUB	25/14=-34F015 0UT0? 10.03 6.4M 1.19 2.39 5.01 10.08 9.74 12.58 9.35 14.37 12.09 11.43 104.74	HU	LLYWOOD TU	HE CLUB												
25/14-34.025 18001 20.09 8.44 1.34 6.99 4.79 6.59 15.41 14.66 20.33 23.46 20.58 19.55 162-23	25/14=-34F015 0UT0? 10.03 6.4M 1.19 2.39 5.01 10.08 9.74 12.58 9.35 14.37 12.09 11.43 104.74	25/14*-34L02	S 1N001	20.09	H = 44 40	1.34	6.99			15.41	14.66	20.33	23.46	20.58	19.55	162.23
25/14*-34F015 0UT0? 10:03 6.4% 1.19 2.39 5.01 10:08 9.74 17:58 9.35 14:37 12:09 11:43 104:74		25/14w-34F01	S 00102	10.03	6.44	1.19	2.39	5.01	10.08	9.74	17.58	9.35	14.37	12.09	11.43	104.74
	TOTALS 30.12 14.92 2.53 9.38 9.80 16.67 25.15 27.24 29.68 37.83 32.67 30.98 266.9	TOTALS		30.12	14.92	2.53	9.38	9.80	16.67	25.15	27.24	29.68	37.83	32.67	30.98	266.97

: STATE :	OWNERS		1970		:		PKO	OUCTION	1971					TOTAL
: «ELL :	DESIG-	-	: NOV	; UEC	· JAN	: FEH	: MAR	: APR	: MAY	1 JONE	: JULY	: AUG	1 5FPI	TOTAL
				. 000								* 400		
	JSTRIAL C													
35/14W-18N04S 35/14W-18N05S	5	7.9H 9.3H	3.03	13.16	2.40	11.90	7.99 10.32	2.07 6.24	16.79	1.30 17.82	20.55	23.66	21.46	27.36 165.74
THTAL S		17.36	15.09	13.16	2.95	11.90	18.31	8.31	16.79	19.12	24.99	23.66	21.46	193.10
186	_E₩OOD+ C	ITY UF												
25/144-32F015	21	12.87	0	69.21	102.35	61.33	71.77	66.01	68.45	76.63	71.56	58.88	69.91	728.97
25/14W-28F015 25/14W-28F015	23	12.71	20.63	35+68	1 • 54 8 • 36	• 1 4 0	1.HB 30.52	44.74	43.H5	40.48	38.01	2.06	0	18.33 314.74
25/14w-28401S 25/14w-284025	26 29	49.52 38.2H	48.64 0	4.89	59.07 0 27.99	57.2H	51.52	49.35	62.13	67.41	23.96	50.50	67.06	591.33 38.28
35/14w-106025 25/14w-320025	34	28.69	27.74 78.46	27.45 80.25	86.12	19.88 43.5H	31.01 79.06	76.74	31.41	2H.3H 73.79	28.89 77.88	23.9H 88.67	21.16	308.78 860.38
35/14k=03H015 25/14#~34C025	34	88.55 4.16	4.39	145.68 .27	134.56 2.58	76.48 3.20	121.55	14H.40 6.H9	142.11 5.15	130.78 3.28	2.99	143.10 2.95	96.21 2.89	1436.45 45.28
T TALS		3+3.70	242,04	363.43	422.57	262.29	343.84	404.34	419.89	420.75	389.73	370.14	309.82	4342.54
140	SE . KENIC	⊣1												
35/134-2900%5	10	1.44	1.05	. 27	.49	. H4	1.34	1.54	1.66	1.94	2.75	2.47	2.23	18.06
45/14W-244015	DUELLA	4.H30	3.400	0.0	.240	1.620	3.110	3.11*	3.5/*	4.500	4.32*	.23°	0.0	29.37
437 (44-544(1)	0.16.04	4.77	3,500	0.0	• 6 7 *	1.000	3.110	3.11.	7.51.	4.70	4.32*	• 23 *	0 -	27.31
_	NS MANVILI	F PROUNC	TS CURP											
45/13w-15 in1s	ww0.01	74.05	70.67	75.16	r 3.41	h8,88	88+33	76.69	75.90	74.96	74.67	81.84	34.33	858.89
LOS	ANGFLES.	CITY OF												
45/13w=31 S	MP001	247.52	θ	0	116.85	62.44	0	0	289.72	454.14	441.92	445.13	435.49	2548.21
L 05	ANGELES (COUNTY AL	ONDHA PA	HF										
35/14w-27C015	761	51.43	51.85	22.60	56.90	24.72	45.49	44.35	75.43	63.34	64.63	72.19	71.23	644.16
11.5	ANGELES (
45/13w-30C015	ANGELES (9.23	8.99	NO Z	8.50	8.47	8.48	8.50	8.52	9.70	9.63	1.15	4.73	85.90
137 174 340713			4.77	0	71 - 31	0.47	0.4-1	11 - 317	7.52	7.10	7,03	1+15	4.75	03,90
	ANGFLES (
35/14W-11J025	13970	13.23	5.46	* U.A	1+31	5.85	2.76	18.35	17.03	14.21	25.54	28.71	16.18	154.21
MANI	ATTAN HE	CH+ CITY	0.F											
35/14w=290035 35/14w=30H025	11	2.74	.12°	.0H	H.72	.05	.06	.06 0	.04	.07	.03	.03	.04 5.18	12.04 17.09
TUTALS		2.74	.12	.24	18.27	.05	.06	.06	.04	.07	.03	2.23	5.22	29.13
35/14w-25K065	NORM)	·03	.02	.05	.03	.03	.04	.04	.05	.10	.06	.01	.02	.50
35/13w-31907S	RUM.5	-09	.04	.20	.10	.04	.24	.14	.22	.21	0	.53	.26	2.17
TOTALS		.17	.06	. 25	+13	.12	. 33	-18	.27	. 31	.08	.54	.28	2.67
MUMIL OIL CUMPOMATION														
45/14w-03L025	5000T	124.7H	106.46	107.97	116.27	54.70	108.38	109.13	111.40	103.99	103.45	102.64	90.12	1239.33
45/14x-03L035 45/14x-03L045 45/14x-03M015	T0004 T0004 T0005	110.59	4.71 H7.69	4.81 89.48	55.28 48.11	70.03	55.82	92.21	14.62	88.03 38.89	28.85	38.16	88.56 79.11	849.13 562.10
7 -TALS	10003	373.14	340.06	348.04	356.29	319.48	340.66	339.34	371.75	128.77 359.6H	138.17	373.26	131.99 389.78	4284.02
			0 . 011	J+ (V4	J3114E7	317,40	3-0.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	311013	J 7 + 6 19 (1	712434	3.3.20	207,10	4504.05
	l+_C∺I5≜T													
35/144-344045 35/144-33P045	SCFC0 OTAN3	2.5A 2.07	2.12	0	.55	.25 .99	1+33 2+95	1.92	2.85 3.08	2.84 5.4]	6.62	.83 5.85	3.00	15.00 36.70
TITALS		4.65	2.12	0	•55	1.24	4.2H	5.98	5.93	8.25	9.02	6.68	3.00	51.70

TAHLE U-1

GROUND WATER EATHACTIONS
(CONTINUED)
IN ACRE-FEET

							PHO	DUCTION						
: STATE :	OWNERS :		1970		1		, , , , , ,	0007101	1971					TOTA
1 HUMBER :	NATION :	: OCT	t NOA	: OEC	1 JAN	: FE8	1 MAR	t APR	1 MAY	: JUNE	: JULY	: AUG	: SFPT	:
		T CEMETER		-		7.	2.24-	2.50	2.01		5 (2	5 03	2.03	22.2
5/14w-33E015	743	3.30	1.71	.12	1.00	.71	5.20.	2.50	٦.91	6.37	5.63	5.87	3,93	37.2
	5 VERDES	BEGONIA												
5/14w-21 1015	1	.19•	.140	.05*	.100	.17*	.180	.190	.20•	.25°	.340	.29*	.25*	2.3
PAHK	FATEN C	UMPANY												
5/14#=22R025 5/14#=220015	154 154	.14	• 4 O	.05	.12	.04	•10 •03	.15 .05	.14	.10	.13	.05	.06	1.5
5/144-22K015	1SC	30.86	20.53	10.93	15.91	19.15	26.10	21.27	24.80	33.40	31.64	38.69	28.03	301.3
TOTALS		31.99	20.93	10.48	16.46	19.25	26.23	21.47	24.97	33.57	32.24	39.54	28.35	306.3
HOMA	N CATHOL	IC APCH81	SHOP OF	L A										
5/14w-19Q015	HUFAX	12.25	3,49	.01	.26	1.36	11.06	10.55	14.14	17.35	25.92	25.24	6.24	127.8
SHEF	TS+ ESTHE	FH H												
5/13w-32E02S	873F	.15	. O A	.05	• 0 H	.08	.18	.21	.18	.16	.10	.10	.08	1.4
SHEL	L OIL CO	4PANY												
5/13w-21R015	WI002	45.51 77.95	67.87	28.69	65.78	92.67	101.63	84.68	76.42	71.03	74.59	49.44	30.98 28.85	789.2
5/13w-09A01S 5/13w-10E03S 5/13w-09H02S	D0005	88.47 123.71	75.24 88.66 110.93	77.18 89.36 97.39	H1.78 H4.44 R3.18	66.81 72.62 68.21	78.70 53.84 148.27	66.89 42.23 188.54	62.32 64.44 183.76	54.88	39.16 58.77 167.78	50.94 48.89 178.82	58.28	706.8 804.8 1691.2
5/13w-21H025	WI003	0	0	0		0	0	33.65	7.51	1 • 1 1	0	44.46	106.77	193.5
TOTALS		335.64	343.70	545.65	315.18	300.31	382.44	415.99	394.45	299.89	340.30	372.55	392.66	4185.7
SHIN	00A 8R05	INC												
5/14W-35M07S	NEW	1.05	1.15	.68	.73	1.14	1.51	1.48	1.17	1.30	1.06	1.47	.82	13.5
SOUT	HERN CAL	IFORNIA E	0150N CO	MPANY										
5/14w-348025 5/13w-274025	FRESA	.92	1.01	.03	.03	.90 .04	.34	.39	.57	.46 .05	.53	.77	.35	6.3
S/13w-14A075	INGLE	.07	.06	.07	.04	-16	-15	•13	.09	.10	•13	-12	-34	1.4
THTALS		1.07	1.12	.14	.10	1.10	•55	•58	.71	.61	.72	.96	.76	8.4
SUUT	MERN CAL	IFORNIA W	ATER COM	PANY										
5/14W-14A015 5/14W-04N015	Fw001 T∺001	16.16	45.85	.0e 55.17	.02 60.71	.12 58.74	.91	.17 48.55	.08 43.43	.05 42.69	18.41 54.83	34.07 48.59	44.51	114.5
5/14w-04N025 5/14w-22A015	TR002 CN001	55.9H	51.68	63.54	7.67 62.99	6.22 45.96	63.23	46.17	40.40	44.67	59.90	71.60	57.30	13.9 663.6
S/14w-22A025 S/14w-138025	CN002	32.22 65.42	29.94	31.30	29.91	47.56	37.74	29.13	32.90	37.10 16.42	51.87 49.67	64.72	50.64 37.07	447.8
5/14w-03K015 S/14w-03K025	YU001 YU002	14.79	73.32	67.49	51.29 41.19	39.44 70.01	46.27 78.27	43.37 78.25	39.41 81.15	29.91 86.42	24.46	19.69 75.68	24.55 70.20	525.7 676.7
5/14w-03K035 5/14w-13J035	YU003 50003	25.51 42.55	25.22	26.20	26.01 56.18	21.60 50.70	23.23 51.18	22.01	23.02 11.49	9.41 26.71	21.81	20.1a 56.50	18.83 56.85	260.0 464.5
5/14w=13J045 5/14w=140015	50004 129	7.76 61.50	0 37.04	13.32	10.81	10.94	20.09	5.29	2.59	5.11	7.62 56.81	9.61	6.15	99.2 538.0
15/14W-22L015	CD001	65.84	31.96	47.67	70.70	60.97	101.25	33.33	9.52	22.51	A2.30	88.72	83.27	718.0
5/14w-21M015	CH001 DA001	37.03	15.n4	34.11	9.19	.90 36.17	.09 43.75	2.58	9.24	10.88	42.66	.09	.03	13.1 376.7
5/14+-116025	*1001	58.64	35.29	51.12	61.01	48.97	50.17	43.81	32.34	45.70	56.69	55.93	50.45	590.1
TOTALS		601.69	370.95	447.75	606.42	588.45	673.43	439.82	379,36	409.29	662.10	686.93	632.50	6548.6
-		ICAN INST												
5/13w=190035	8117	1+15	.64	•27	-41	.54	•92	1.00	1.23	1.25	2.27	1.12	1.55	12.3
		KINKING W		-										
5/13w=290065 5/13w=290075	1	3.08 6.49	4.96	5.14	4.89	5.70 4.86	5.82	5.00	7.76	6.17	4.63 3.88	5.06 4.27	5.16	63.3 54.5
TITALS		9.57	9.17	9.50	9.05	10.56	10.81	11.25	10.33	10.24	8.51	9.33	9.57	117.8
UATP	FFER CHE	MICAL COM	PANY											
S/13w-100025	D001A	23.78	34.95	42.02	41.25	34.43	23.29	41.12	45.48	48.43	47.91	42.46	43,42	474.0
5/13#-22F025	HA001	15.76	43.76	47,19	45.67	38.62	3.14	43.84	51.57	7.11	7.02	50.63	3.80	70.9
TOTALS														

TABLE 8-1 GROUND WATER EXTRACTIONS (CONTINUED) IN ACRE-FEET

TEXACO INCOMPOPATED SZ13W-27M015	: WEL	L					1				1971					: TOTAL
TEXACO INCOMPOPATED 5/1)W-27M015	1 NUM			-	1970				A							
S7 3W-27M0 5 3 168,44 173,98 171,35 167,25 160,86 165,72 146,05 244,82 115,98 99,30 75,92 68,22 1757, 57 3W-27M0 5 5 114,06 119,42 87,75 98,09 100,54 69,05 54,03 74,81 14,10 0 0 0 0 667, 57 3W-27M0 5 8 0 0 0 0 0 0 0 0 0		ijen v	NATION	001	1 NOV	1 DEC	1 JAN	1 FER	HAR F	: APR	1 MAY	1 JUNE	: JULY	t AUG	1 SEPT	
15/13w-274015 3 168,44 173,98 171,35 167,25 160,86 165,72 146,05 244,82 115,98 99,30 75,92 68,22 1757, 15/13w-274035 5 134,06 119,42 81,75 98,09 100,54 69,05 54,03 74,81 14,10 0 0 0 0 667, 15/13w-274055 8 0 0 0 0 0 0 0 0 0																
S739+274035 S 13.06 119.42 87.75 98.09 100.54 69.05 56.03 41.20 43.85 0 0 0 0 67.75 S713+274045 6 70.26 62.58 51.34 51.34 45.89 50.96 46.63 74.81 14.10 0 0 0 0 67.75 S713+274055 8 0 0 0 0 0 0 0 0 0		TEXA	CO INCORP	POPATED												
S713H-274035 5 13.06 119.42 87.75 96.09 100.54 69.05 56.03 41.20 43.85 0 0 0 707.5713H-274045 6 70.26 62.58 51.34 51.34 45.89 50.96 46.63 74.81 14.10 0 0 0 0 66.75 67.24 62.58 51.34 51.34 45.89 50.96 46.63 74.81 14.10 0 0 0 0 66.75 67.24 67.25 67.2	5/13#-	274015	3	168.44	173.98	171.35	167.25	160.86	165.72	146.05	244.82	115.98	99.30	75.92	68.22	1757.89
TOTALS 372.76 355.98 310.44 316.68 307.29 285.73 246.71 380.83 242.40 400.41 355.55 317.20 3891. TOHRANCE, CITY OF 5/14w-101015 2 .31 0 0 0 2.16 0 .13 4.60 5.97 7.40 57.47 37.60 2.15 115. 5/14w-101065 3 1.34 0 0 0 2.16 0 .15 13.59 94.73 72.48 46.26 49.23 52.43 337. 5/14w-101075 4 60.53 20.48 9.74 10.88 11.49 24.32 45.06 111.18 197.55 287.08 286.73 131.89 1233. 5/14w-101075 4 0 0 1.44 0 .69 0 .26 0.3 41.69 61.53 127.90 131.02 34.58 1695. 5/14w-314025 6 0 1.44 0 .69 0 .26 0.3 41.69 61.53 127.90 131.02 34.58 399. TOTALS 75.61 26.62 9.74 19.71 11.49 24.86 102.98 565.64 669.32 863.59 868.60 542.79 3780. UNION NUMSERY INC 5/13w-296085 831AH 1.48 .71 .43 .91 1.09 1.70 1.69 1.58 2.02 2.27 2.08 1.97 17. UNION OIL COMPANY OF CALIFORNIA 5/13w-314015 LA003 60.36 118.72 204.13 203.43 179.35 179.35 194.27 182.38 169.14 158.81 143.99 136.42 1930. UNITED STATES STEEL CORPORATION 5/14w-116045 5 0 41.24 79.79 89.35 104.90 113.43 107.18 83.60 85.48 88.53 52.65 72.58 918. TOTALS 112.35 103.10 79.79 89.35 104.90 113.43 107.18 83.60 85.48 88.53 52.65 72.58 918. TOTALS 112.35 103.10 79.79 89.35 104.90 113.43 107.18 83.60 85.48 88.53 52.65 72.58 1092.					119.42	87.75	98.09	100.54	69.05	54.03	61.20					767.99
TOTALS 372.76 355.98 310.44 316.68 307.29 285.73 246.71 380.83 242.40 400.41 355.55 317.20 3891. TORRANCE, CITY OF 5/14w-10.015 2 .31 0 0 0 0 .13 4.60 5.97 7.40 57.47 37.60 2.15 115. 5/14w-10.045 3 1.34 0 0 0 2.16 10 4.55 13.59 99.73 72.48 46.26 49.23 52.43 337. 5/14w-10.025 4 60.53 20.48 9.74 16.86 11.49 24.32 45.06 111.18 197.55 287.68 266.73 131.89 1233. 5/14w-340.025 6 0 1.44 0 0.69 0 2.6 0.3 41.69 61.53 127.90 131.02 34.56 399. TOTAL5 75.61 26.62 9.74 19.71 11.49 24.86 102.98 565.64 669.32 863.59 868.60 542.79 3780. UNION NUMSERY INC 5/13w-296085 831AH 1.48 .71 .43 .91 1.09 1.70 1.69 1.58 2.02 2.27 2.08 1.97 17. UNION OIL COMPANY OF CALIFORNIA 5/13w-31P015 LA003 60.36 118.72 204.13 203.43 179.35 179.35 194.27 182.38 169.14 158.81 143.99 136.42 1930. UNITEO STATES STEEL CORPORATION 5/14w-116045 5 12.35 61.86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																467.91
TORPANCE. CITY OF 5/14w-10015	2/13#-	217055										08.47	301.11	279.63	248.98	848.14
5/14w-101015 2 .31 0 0 0 2.16 0 .13 4.60 5.97 7.40 57.47 37.60 2.15 115. 5/14w-101045 3 1.34 0 0 0 2.16 0 .15 13.59 94.73 72.48 46.26 49.23 52.43 337. 5/14w-101055 4 06.53 20.48 9.74 10.88 114.9 24.32 45.06 111.18 197.55 287.88 296.73 131.89 1233. 5/14w-101055 5 13.43 4.70 0 0 0 0 0 0 39.70 287.07 330.36 344.28 354.02 321.78 1095. 5/14w-314025 6 0 1.44 0 0.69 0 2.66 .03 41.69 61.53 127.90 131.02 34.54 399. TOTAL5 75.61 26.62 9.74 19.71 11.49 24.86 102.98 565.64 669.32 863.59 868.60 542.79 3780. UNION NUMSERY INC 5/13w-296085 831AH 1.48 .71 .43 .91 1.09 1.70 1.69 1.58 2.02 2.27 2.08 1.97 17. URION OIL COMPANY OF CALIFORNIA 5/13w-31P015 LA003 00.36 118.72 204.13 203.43 179.35 179.35 194.27 182.38 169.14 158.81 143.99 136.42 1930. UNITEO STATES STEEL CORPORATION 5/14w-116045 5 0 41.24 79.79 89.35 104.90 113.43 107.18 83.60 85.48 88.53 52.65 72.58 1092. WATSON LAND COMPANY	TOTA	L S		372.76	355.98	310.44	316.68	307.29	285.73	246.71	380.83	242.40	400.41	355.55	317.20	3891.98
S7 W-16(045 3 1.34 0 0 2.16 0 15 13.50 09.73 72.48 46.26 49.23 52.43 337.		TORR	ANCE . CIT	TY OF												
1.34	5/14w-	10J015	2	.31	0	0	0	0	.13	4.60	5,97	7.40	57.47	37.60	2.15	115.63
1000 1000									.15		99.73				52.43	337.37
TOTALS 75.61 26.62 9.74 19.71 11.49 24.86 102.98 565.64 669.32 863.59 868.60 542.79 3780. UNION NUMBERY INC 15/13W-296.98 831AH 1.48 .71 .43 .91 1.09 1.70 1.69 1.58 2.02 2.27 2.08 1.97 17. UNION OIL COMPANY OF CALIFORNIA 5/13W-31P015 LA003 60.36 118.72 204.13 203.43 179.35 179.35 194.27 182.38 169.14 158.81 143.99 136.42 1930. UNION STATES STEEL CORPORATION 5/14W-116045 5 112.35 61.86 0 41.24 79.79 89.35 104.90 113.43 107.18 83.60 85.48 88.53 52.65 72.58 918. TOTALS 1820 LANO COMPANY																1233.51
UNION NUMBERY INC UNION OIL COMPANY OF CALIFORNIA 1.48 .71 .43 .91 1.09 1.70 1.69 1.58 2.02 2.27 2.08 1.97 17. UNION OIL COMPANY OF CALIFORNIA 1.59 1.49 1.59 1.59 1.59 1.59 1.59 1.59 1.59 1.5																399.10
15/13W-296095 831AH 1.48 .71 .43 .91 1.09 1.70 1.69 1.58 2.02 2.27 2.08 1.97 17.	TOTA	L5		75.61	26.62	9.74	19.71	11.49	24.86	102.98	565.64	669.32	863.59	868.60	542.79	3780.95
UNITED STATES STEEL CORPORATION 5/144-11F015 4 112.35 61.46 79.79 89.35 104.90 113.43 107.18 83.60 85.48 88.53 52.65 72.58 1092. MATSON LAND COMPANY		UNIC	N NURSERI	r INC												
UNITED STATES STEEL CORPORATION 5/144-11F015 4 112.35 61.46 79.79 89.35 104.90 113.43 107.18 83.60 85.48 88.53 52.65 72.58 1092. MATSON LAND COMPANY																
UNITED STATES STEEL CORPORATION STATES STEEL CORPORATION UNITED STATES STEEL CORPORATION STATES STATES STEEL CORPORATION STATES STATES STEEL CORPORATION STATES	5/13w-	296085	831AH	1.48	.71	.43	•91	1.09	1.70	1.69	1.58	5.05	2.27	2.08	1.97	17.93
UNITEO STATES STEEL CORPORATION 5/14-116015 4 112.35 61.86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0140	N OIL COM	PANY OF	CALIFORN	IΔ										
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5/14+-11F015 4 112.35 61.86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1011	EO STATES		000000411	0.01										
7/14-116045 5 0 41.24 79.79 89.35 104.90 113.43 107.18 83.60 85.48 88.53 52.65 72.58 918. TOTALS 112.35 103.10 79.79 89.35 104.90 113.43 107.18 83.60 85.48 88.53 52.65 72.58 1092. WATSON LAND COMPANY		0111	EU STATES	31666	ORFURATI	UN										
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WATSON LAND COMPANY	7/14#-	110000	,		41.24	14.14	89.35	104.90	113.43	107.18	83.60	85.48	48.53	52.05	72.58	918.73
	TOTA	L 5		112.35	103.10	79.79	89.35	104.90	113.43	107.18	83.60	85.48	88.53	52.65	72.58	1092.94
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	5/134-	150015	867E	2.16	3.72	.02	0	0	6.35	3.46	.9н	6.19	11.45	13.47	5.37	53.17

GRAND TOTALS

ZIEGLEP . MAXWELL T

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